

DAQBench

32-bit ActiveX controls for
Measurement and Automation

Equipment Controls Reference

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DMotor ActiveX Control

This is an ActiveX control that can display the pattern of motor equipment.

Property

LinkItem Property

Returns/sets the DDE item data of the DDE server for the DDE conversation defined by the LinkTopic property.

Syntax

object.LinkItem = [string]

Remarks

Default: None

Data Type

String

LinkMode Property

Returns/sets the link connection mode for the DDE conversion. The Chart object doesn't support this property to connect DDE server. It must use ConnectDDE method. Other objects must use this property to set the connect mode with DDE server.

Syntax

object.LinkMode = [number]

Settings

Value	Description
0	None
1	Automatic
2	Manual
3	Notify

Remarks

Default: 0

Data Type

Integer

LinkTimeout Property

Returns/sets the time period that the control object waits for a response from a DDE server.

Syntax

object.LinkTimeout = [number]

Settings

The values for the LinkTimeout property are **tenths of seconds**.

Remarks

Default: 50 (50 means 5 seconds.)

Data Type

Long

LinkTopic Property

Returns/sets the application name and topic name of the DDE conversion.

Syntax

object.LinkTopic = [string]

Remarks

Default: None

Convention style : *application|topic is for DDE*

Convention style : *\\node_name\application|topic is for NetDDE*

Data Type

String

Mode Property

Returns/sets a value that determines the control mode of motor.

Syntax

object.Mode [= number]

Settings

Value	Description
0	Control, user can change the state of motor
1	Indicator, user can not change the state of motor

Remarks

Default: 0.

Data Type

Integer



MotorStyle Property

Returns/sets a value that determines the pattern style of motor.

Syntax

object.MotorStyle [= number]

Settings

Value	Description
0	
1	

Remarks

Default: 0.

Data Type

Integer

OffColor Property

Returns/sets the color value for display motor when the motor state is off.

Syntax

object.OffColor [= color]

Settings

This property uses the Microsoft Windows operating environment red-green-blue (RGB) color scheme.

Remarks

You can select the color from the color palette.

Default: Blue.

Data Type

Color

OnColor Property

Returns/sets the color value for display motor when the motor state is on.

Syntax

object.OnColor [= color]

Settings

This property uses the Microsoft Windows operating environment red-green-blue (RGB) color scheme.

Remarks

You can select the color from the color palette.
Default: Green.

Data Type

Color

State Property

Returns/sets a value that determines the current mode of motor.

Syntax

object.State [= number]

Settings

Value	Description
0	Off, motor non-active
1	On, motor active

Remarks

Default: 0.

Data Type

Integer

TextColor Property

Returns/sets the color value for displaying the motor state text.

Syntax

object.TextColor [= color]

Settings

This property uses the Microsoft Windows operating environment red-green-blue (RGB) color scheme.

Remarks

You can select the color from the color palette.
Default: Red.

Data Type

Color

TextVisible Property

Returns/sets the value that determines if the motor state text is visible.

Syntax

object.TextVisible [= boolean]

Settings

Value	Description
True	The state text is visible
False	The state text is not visible

Remarks

Default: True

Data Type
Boolean

Method

LinkPoke Method

Syntax

Function object.**LinkPoke**(datatype as short) As void.

Argument

datatype as short;

Value	Description
0	Send Integer value to DDE server
1	Send floating point value to DDE server

Remark

The LinkPoke method can send the specified value of the control object to the DDE server, updating the data referred by the LinkItem property. Although at the most case, the data flow in a DDE conversation is from the DDE server to the DDE client, but sometime the DDE client can also update the data of the DDE server. So user can use the LinkPoke method to send data to the DDE server, updating the data referred to by the LinkItem property.

LinkRequest Method

Syntax

Function object. **LinkRequest**() As void.

Argument

none

Remark

When the LinkMode property is the Automatic link mode, the DDE server automatically updates the value whenever the data changes. If the LinkMode property is set to Notify or Manual, the DDE server does not automatically update the value. You must use the LinkRequest method to ask the DDE server to update the value.

Event

LinkClose Event

Syntax

sub *ControlName*_**LinkClose** (); It is for others objects.

Argument

none

Remarks

If a control is engaged by a DDE conversation and the conversation is ended for any reason—either you set the control's LinkMode property to None or the DDE server stop the conversation, the LinkClose event occurs.

LinkError Event

Syntax

sub *ControlName*_**LinkError**(*linkerr* as short).

Argument

linkerr As short

An integer that specifies the error state of the DDE connection.

0 mean the “Connect failed”.

1 mean the “Request failed”.

2 mean the “Poke failed”.

Remarks

If an error occurs when you are using code to manipulate a DDE conversation, the LinkError event occurs.

LinkNotify Event

Syntax

sub *ControlName*_LinkNotify () ; It is for other objects

Argument

None

Remarks

If you set the LinkMode property to 3-Notify, then the LinkNotify event occurs whenever the DDE server has the new update data. You can use this event to notify the user that new data is available.

LinkOpen Event

Syntax

sub *ControlName*_LinkOpen (cancel as short).

Argument

cancel As short

An integer that specifies the status of DDE connection; -1 mean fail, 0 mean successful.

Remarks

The LinkOpen event occurs when a control initiates a DDE conversation.

DPipe ActiveX Control

This is an ActiveX control that can display the pattern of pipe equipment.

Property

Blink Property

Returns/sets a value that determines if the control is blinked.

Syntax

object.**Blink** [= boolean]

Settings

Value	Description
True	The pipe is blinked.
False	The pipe is not blinked.

Remarks

Default: False.

Data Type

Boolean

Connector1 Property

Returns/sets a value that determines if the control has the first connector.

Syntax

object.**Connector1** [= boolean]

Settings

Value	Description
True	The pipe has the first connector.
False	The pipe does not has the first connector.

Remarks

Default: False.

Data Type

Boolean

Connector2 Property

Returns/sets a value that determines if the control has the first connector.

Syntax

object.**Connector2** [= boolean]

Settings

Value	Description
True	The pipe has the second connector.
False	The pipe does not has the second connector.

Remarks

Default: False.

Data Type

Boolean

Fill Property

Returns/sets a value that determines if it is display as filled pipe.

Syntax

object.**Fill** [= boolean]

Settings

Value	Description
True	Display as filled pipe.
False	Display as non-filled pipe.

Remarks

Default: False.

Data Type

Boolean

FillColor Property

Returns/sets a value that determines the filled color.

Syntax

object.FillColor [= color]

Settings

This property uses the Microsoft Windows operating environment red-green-blue (RGB) color scheme.

Remarks

You can select the color from the color palette.

Data Type

Color

LinkItem Property

Returns/sets the DDE item data of the DDE server for the DDE conversation defined by the LinkTopic property.

Syntax

object.LinkItem = [string]

Remarks

Default: None

Data Type

String

LinkMode Property

Returns/sets the link connection mode for the DDE conversion. The Chart object doesn't support this property to connect DDE server. It must use ConnectDDE method. Other objects must use this property to set the connect mode with DDE server.

Syntax

object.LinkMode = [number]

Settings

Value	Description
0	None
1	Automatic
2	Manual
3	Notify

Remarks

Default: 0

Data Type

Integer

LinkTimeout Property

Returns/sets the time period that the control object waits for a response from a DDE server.

Syntax

object.LinkTimeout = [number]

Settings

The values for the LinkTimeout property are **tenths of seconds**.

Remarks

Default: 50 (50 means 5 seconds.)

Data Type

Long

LinkTopic Property

Returns/sets the application name and topic name of the DDE conversion.

Syntax

object.LinkTopic = [string]

Remarks

Default: None

Convention style : *application|topic is for DDE*

Convention style : *\\node_name\application|topic is for NetDDE*

Data Type

String

PipeColor Property

Returns/sets a value that determines the pipe color.

Syntax

object.PipeColor [= color]

Settings

This property uses the Microsoft Windows operating environment red-green-blue (RGB) color scheme.

Remarks

You can select the color from the color palette.

Data Type

Color

PipeWidth Property

Returns/sets a value that determines the pipe width.

Syntax

object.PipeWidth [= number]

Settings

Set the width by pixel unit

Remarks

Default is 20.

Data Type

Integer







PipeStyle Property

Returns/sets a value that determines the pattern style of pipe.

Syntax

object.PipeStyle [= number]

Settings

Value	Description
0	
1	
2	
3	
4	
5	

Remarks

Default: 0

Data Type

Integer

Timer Property

Returns/sets a value that determines the time interval of blinking.

Syntax

object.Timer [= number]

Settings

Set the interval by milliseconds.

Remarks

Default is 1000 millisecond

Data Type

Integer

Method

LinkPoke Method

Syntax

Function *object.LinkPoke*(datatype as short) As void.

Argument

datatype as short;

Value	Description
0	Send Integer value to DDE server
1	Send floating point value to DDE server

Remark

The LinkPoke method can send the specified value of the control object to the DDE server, updating the data referred by the LinkItem property. Although at the most case, the data flow in a DDE conversation is from the DDE server to the DDE client, but sometime the DDE client can also update the data of the DDE server. So user can use the LinkPoke method to send data to the DDE server, updating the data referred by the LinkItem property.

LinkRequest Method

Syntax

Function object. **LinkRequest()** As void.

Argument

none

Remark

When the LinkMode property is the Automatic link mode, the DDE server automatically updates the value whenever the data changes. If the LinkMode property is set to Notify or Manual, the DDE server does not automatically update the value. You must use the LinkRequest method to ask the DDE server to update the value.

Event

LinkClose Event

Syntax

sub *ControlName_LinkClose* (); It is for others objects.

Argument

none

Remarks

If a control is engaged by a DDE conversation and the conversation is ended for any reason—either you set the control's LinkMode property to None or the DDE server stop the conversation, the LinkClose event occurs.

LinkError Event

Syntax

sub *ControlName_LinkError*(*linkerr as short*).

Argument

linkerr *As short*

An integer that specifies the error state of the DDE connection.

0 mean the "Connect failed".

1 mean the "Request failed".

2 mean the "Poke failed".

Remarks

If an error occurs when you are using code to manipulate a DDE conversation, the LinkError event occurs.

LinkNotify Event

Syntax

sub *ControlName_LinkNotify* (); It is for other objects

Argument

none

Remarks

If you set the LinkMode property to 3-Notify, then the LinkNotify event occurs whenever the DDE server has the new update data. You can use this event to notify the user that new data is available.

LinkOpen Event

Syntax

sub *ControlName_LinkOpen* (*cancel as short*).

Argument

cancel As short

An integer that specifies the status of DDE connection; -1 mean fail, 0 mean successful.

Remarks

The LinkOpen event occurs when a control initiates a DDE conversation.

DPump ActiveX Control

This is an ActiveX control that can display the pattern of pump equipment.

Property

FanMode Property

Returns/sets a value that determines the display mode of the pump fan.

Syntax

object.FanMode [= number]

Settings

Value	Description
0	None
1	Static
2	Clockwise rotation
3	Counterclockwise rotation

Remarks

Default: 1.

Data Type

Integer

LinkItem Property

Returns/sets the DDE item data of the DDE server for the DDE conversation defined by the LinkTopic property.

Syntax

object.LinkItem = [string]

Remarks

Default: None

Data Type

String

LinkMode Property

Returns/sets the link connection mode for the DDE conversion. The Chart object doesn't support this property to connect DDE server. It must use ConnectDDE method. Other objects must use this property to set the connect mode with DDE server.

Syntax

object.LinkMode = [number]

Settings

Value	Description
0	None
1	Automatic
2	Manual
3	Notify

Remarks

Default: 0

Data Type

Integer

LinkTimeout Property

Returns/sets the time period that the control object waits for a response from a DDE server.

Syntax

object.LinkTimeout = [number]

Settings

The values for the LinkTimeout property are **tenths of seconds**.

Remarks

Default: 50 (50 means 5 seconds.)

Data Type

Long

LinkTopic Property

Returns/sets the application name and topic name of the DDE conversion.

Syntax

object.LinkTopic = [string]

Remarks

Default: None

Convention style : *application|topic is for DDE*

Convention style : *\\node_name\application|topic is for NetDDE*

Data Type

String

PumpColor Property

Returns/sets a value that determines the pump color.

Syntax

object.PumpColor [= color]

Settings

This property uses the Microsoft Windows operating environment red-green-blue (RGB) color scheme.

Remarks

You can select the color from the color palette.

Default: Blue

Data Type

Color





PumpStyle Property

Returns/sets a value that determines the pattern style of pump.

Syntax

object.PumpStyle [= number]

Settings

Value	Description
0	
1	
2	
3	

4
5
6
7
8
9



Remarks

Default: 0

Data Type

Integer

Method

LinkPoke Method

Syntax

Function object.**LinkPoke**(datatype as short) As void.

Argument

datatype as short;

Value	Description
0	Send Integer value to DDE server
1	Send floating point value to DDE server

Remark

The LinkPoke method can sends the specified value of the control object to the DDE server, updating the data referred by the LinkItem property. Although at the most case, the data flow in a DDE conversation is from the DDE server to the DDE client, but sometime the DDE client can also update the data of the DDE server. So user can use the LinkPoke method to sends data to the DDE server, updating the data referred to by the LinkItem property.

LinkRequest Method

Syntax

Function object. **LinkRequest**() As void.

Argument

none

Remark

When the LinkMode property is the Automatic link mode, the DDE server automatically updates the value whenever the data changes. If the LinkMode property is set to Notify or Manual, the DDE server does not automatically update the value. You must use the LinkRequest method to ask the DDE server to update the value.

Event

LinkClose Event

Syntax

sub *ControlName*_LinkClose () ; It is for others objects.

Argument

none

Remarks

If a control is engaged by a DDE conversation and the conversation is ended for any reason—either you set the control's LinkMode property to None or the DDE server stop the conversation, the LinkClose event occurs.

LinkError Event**Syntax**

sub *ControlName*_LinkError(*linkerr as short*).

Argument

linkerr *As short*

An integer that specifies the error state of the DDE connection.

0 mean the "Connect failed".

1 mean the "Request failed".

2 mean the "Poke failed".

Remarks

If an error occurs when you are using code to manipulate a DDE conversation, the LinkError event occurs.

LinkNotify Event**Syntax**

sub *ControlName*_LinkNotify () ; It is for other objects

Argument

none

Remarks

If you set the LinkMode property to 3-Notify, then the LinkNotify event occurs whenever the DDE server has the new update data. You can use this event to notify the user that new data is available.

LinkOpen Event**Syntax**

sub *ControlName*_LinkOpen (*cancel as short*).

Argument

cancel *As short*

An integer that specifies the status of DDE connection; -1 mean fail, 0 mean successful.

Remarks

The LinkOpen event occurs when a control initiates a DDE conversation.

DTank ActiveX Control

This is an ActiveX control that can display the pattern of tank equipment.

Property

LinkItem Property

Returns/sets the DDE item data of the DDE server for the DDE conversation defined by the LinkTopic property.

Syntax

object.LinkItem = [string]

Remarks

Default: None

Data Type

String

LinkMode Property

Returns/sets the link connection mode for the DDE conversion. The Chart object doesn't support this property to connect DDE server. It must use ConnectDDE method. Other objects must use this property to set the connect mode with DDE server.

Syntax

object.LinkMode = [number]

Settings

Value	Description
0	None
1	Automatic
2	Manual
3	Notify

Remarks

Default: 0

Data Type

Integer

LinkTimeout Property

Returns/sets the time period that the control object waits for a response from a DDE server.

Syntax

object.LinkTimeout = [number]

Settings

The values for the LinkTimeout property are **tenths of seconds**.

Remarks

Default: 50 (50 means 5 seconds.)

Data Type

Long

LinkTopic Property

Returns/sets the application name and topic name of the DDE conversion.

Syntax

object.LinkTopic = [string]

Remarks

Default: None

Convention style : *application|topic is for DDE*

Convention style : *\\node_name\application|topic is for NetDDE*

Data Type

String

Symbol Property

Returns/sets a string that determines the unit symbol of tank.

Syntax

object.Symbol [= string]

Settings

The string for unit of liquid

Remarks

example: "L"

Data Type

String

TankColor Property

Returns/sets a value that determines the tank color.

Syntax

object.TankColor [= color]

Settings

This property uses the Microsoft Windows operating environment red-green-blue (RGB) color scheme.

Remarks

You can select the color from the color palette.

Data Type

Color

TankStyle Property

Returns/sets a value that determines the pattern style of tank.

Syntax

object.TankStyle [= number]

Settings

Value	Description
0	
1	
2	
3	
4	

Remarks

Default: 0

Data Type

Integer

TextColor Property

Returns/sets the color value for display the text of quantity and symbol on tank.

Syntax

object.TextColor [= color]

Settings

This property uses the Microsoft Windows operating environment red-green-blue (RGB) color scheme.

Remarks

You can select the color from the color palette.

Data Type

Color

TextVisible Property

Returns/sets the value that determines if the text on tank is visible.

Syntax

object.TextVisible [= boolean]

Settings

Value	Description
True	Display the text of quantity and symbol.
False	Don't display the text of quantity and symbol.

Remarks

Default: True

Data Type

Boolean

Value Property

Returns/sets the value that determines the quantity of liquid in tank

Syntax

object.Value [= double]

Settings

Set the quantity of liquid

Remarks

Default: 0.0

Data Type

Double

Method

LinkPoke Method

Syntax

Function *object.LinkPoke*(datatype as short) As void.

Argument

datatype as short;

Value	Description
0	Send Integer value to DDE server
1	Send floating point value to DDE server

Remark

The LinkPoke method can send the specified value of the control object to the DDE server, updating the data referred by the LinkItem property. Although at the most case, the data flow in a DDE conversation is from the DDE server to the DDE client, but sometime the DDE client can also update the data of the DDE server. So user can use the LinkPoke method to send data to the DDE server, updating the data referred to by the LinkItem property.

LinkRequest Method

Syntax

Function object. **LinkRequest()** As void.

Argument

none

Remark

When the LinkMode property is the Automatic link mode, the DDE server automatically updates the value whenever the data changes. If the LinkMode property is set to Notify or Manual, the DDE server does not automatically update the value. You must use the LinkRequest method to ask the DDE server to update the value.

Event

LinkClose Event

Syntax

sub *ControlName* **LinkClose** () ; It is for others objects.

Argument

none

Remarks

If a control is engaged by a DDE conversation and the conversation is ended for any reason—either you set the control's LinkMode property to None or the DDE server stop the conversation, the LinkClose event occurs.

LinkError Event

Syntax

sub *ControlName* **LinkError**(*linkerr as short*).

Argument

linkerr *As short*

An integer that specifies the error state of the DDE connection.

0 mean the "Connect failed".

1 mean the "Request failed".

2 mean the "Poke failed".

Remarks

If an error occurs when you are using code to manipulate a DDE conversation, the LinkError event occurs.

LinkNotify Event

Syntax

sub *ControlName* **LinkNotify** () ; It is for other objects

Argument

none

Remarks

If you set the LinkMode property to 3-Notify, then the LinkNotify event occurs whenever the DDE server has the new update data. You can use this event to notify the user that new data is available.

LinkOpen Event

Syntax

sub *ControlName*_LinkOpen (cancel *as short*).

Argument

cancel As short

An integer that specifies the status of DDE connection; -1 mean fail, 0 mean successful.

Remarks

The LinkOpen event occurs when a control initiates a DDE conversation.

DValve ActiveX Control

This is an ActiveX control that can display the pattern of valve equipment.

Property

LinkItem Property

Returns/sets the DDE item data of the DDE server for the DDE conversation defined by the LinkTopic property.

Syntax

object.LinkItem = [string]

Remarks

Default: None

Data Type

String

LinkMode Property

Returns/sets the link connection mode for the DDE conversion. The Chart object doesn't support this property to connect DDE server. It must use ConnectDDE method. Other objects must use this property to set the connect mode with DDE server.

Syntax

object.LinkMode = [number]

Settings

Value	Description
0	None
1	Automatic
2	Manual
3	Notify

Remarks

Default: 0

Data Type

Integer

LinkTimeout Property

Returns/sets the time period that the control object waits for a response from a DDE server.

Syntax

object.LinkTimeout = [number]

Settings

The values for the LinkTimeout property are **tenths of seconds**.

Remarks

Default: 50 (50 means 5 seconds.)

Data Type

Long

LinkTopic Property

Returns/sets the application name and topic name of the DDE conversion.

Syntax

object.**LinkTopic** = [string]

Remarks

Default: None

Convention style : *application|topic is for DDE*

Convention style : *\\node_name\application|topic is for NetDDE*

Data Type

String

Mode Property

Returns/sets a value that determines the control mode of valve.

Syntax

object.**Mode** [= number]

Settings

Value	Description
0	Control, user can change the state of valve
1	Indicator, user can not change the state of valve

Remarks

Default: 0.

Data Type

Integer

OffColor Property

Returns/sets the color value for displaying valve when the valve state is off.

Syntax

object.**OffColor** [= color]

Settings

This property uses the Microsoft Windows operating environment red-green-blue (RGB) color scheme.

Remarks

You can select the color from the color palette.

Data Type

Color

OnColor Property

Returns/sets the color value for displaying valve when the valve state is on.

Syntax

object.**OnColor** [= color]

Settings

This property uses the Microsoft Windows operating environment red-green-blue (RGB) color scheme.

Remarks

You can select the color from the color palette.

Default: Green.

Data Type

Color

State Property

Returns/sets a value that determines the current state of the motor.

Syntax

object.State [= number]

Settings

Value	Description
0	Off, valve is close
1	On, valve is open

Remarks

Default: 0.

Data Type

Integer

TextColor Property

Returns/sets the state text color.

Syntax

object.TextColor [= color]

Settings

This property uses the Microsoft Windows operating environment red-green-blue (RGB) color scheme.

Remarks

You can select the color from the color palette.

Data Type

Color

TextVisible Property

Returns/sets the value that determines if the state text is visible.

Syntax

object.TextVisible [= boolean]

Settings

Value	Description
True	The state text is visible.
False	The state text is not visible.

Remarks

Default: True

Data Type

Boolean

ValveColor Property

Returns/sets the value that determines the color of valve.

Syntax

object.ValveColor [= color]

Settings

This property uses the Microsoft Windows operating environment red-green-blue (RGB) color scheme.

Remarks

You can select the color from the color palette.

Data Type

Color










ValveStyle Property

Returns/sets a value that determines the pattern style of valve.

Syntax

object.ValveStyle [= number]

Settings

Value	Description
0	
1	
2	
3	
4	
5	
6	
7	
8	

Remarks

Default: 0

Data Type

Integer

Method

LinkPoke Method

Syntax

Function *object*.LinkPoke(datatype as short) As void.

Argument

datatype as short;

Value	Description
0	Send Integer value to DDE server
1	Send floating point value to DDE server

Remark

The LinkPoke method can send the specified value of the control object to the DDE server, updating the data referred by the LinkItem property. Although at the most case, the data flow in a DDE conversation is from the DDE server to the DDE client, but sometime the DDE client can also update the data of the DDE server. So user can use the LinkPoke method to send data to the DDE server, updating the data referred to by the LinkItem property.

LinkRequest Method

Syntax

Function *object*. LinkRequest() As void.

Argument

none

Remark

When the LinkMode property is the Automatic link mode, the DDE server automatically updates the value whenever the data changes. If the LinkMode property is set to Notify or Manual, the DDE server does not automatically update the value. You must use the LinkRequest method to ask the DDE server to update the value.

Event***LinkClose Event*****Syntax**

sub *ControlName*_LinkClose () ; It is for others objects.

Argument

none

Remarks

If a control is engaged by a DDE conversation and the conversation is ended for any reason—either you set the control’s LinkMode property to None or the DDE server stop the conversation, the LinkClose event occurs.

LinkError Event**Syntax**

sub *ControlName*_LinkError(*linkerr as short*).

Argument

linkerr *As short*

An integer that specifies the error state of the DDE connection.

0 mean the “Connect failed”.

1 mean the “Request failed”.

2 mean the “Poke failed”.

Remarks

If an error occurs when you are using code to manipulate a DDE conversation, the LinkError event occurs.

LinkNotify Event**Syntax**

sub *ControlName*_LinkNotify () ; It is for other objects

Argument

none

Remarks

If you set the LinkMode property to 3-Notify, then the LinkNotify event occurs whenever the DDE server has the new update data. You can use this event to notify the user that new data is available.

LinkOpen Event**Syntax**

sub *ControlName*_LinkOpen (*cancel as short*).

Argument

cancel *As short*

An integer that specifies the status of DDE connection; -1 mean fail, 0 mean successful.

Remarks

The LinkOpen event occurs when a control initiates a DDE conversation.