

Decoder CN_AV V1 Help

V1.1

Precautions:

- The module is suitable for CTL100AL controller decoder.
- If you have any questions about this module or the help documentation, please contact us.

Module name: Decoder CN_AV V1 Driver

Module function description:

- Support decoder control function.
- Physical interface is Serial or TCP/IP.

Serial port protocol: baud rate: 57600(default) Data bits: 8 Stop bits: 1

Check bit: 0

TCP/IP protocol port: 8000 or 23

Test Environment:

OPS USED FOR TESTING:	CP3N: v1.8000.4522.24170
SIMPL WINDOWS USED FOR TESTING:	4.17.03
DEVICE DB USED FOR TESTING:	200.9500.001.00
CRES DB USED FOR TESTING:	206.05.004.00
SYMBOL LIBRARY USED FOR TESTING:	104
SAMPLE PROGRAM:	3-Series: Test.smw

Parameter Description:

Moduleparameterdescription:

- **[Integer param]Decoder_ID**
Signal used to set decoder id,range from 1~762.
- **[Integer param]DebugMode**
Singal used to set debug mode on or off.

Inputparameterdescription:

- **[Digital input]Get_Dec_Status**

- Signal used to get the decoder current status .
- **[Digital input]Dec_Led_On**
Signal used to set the decoder flash power LED.
 - **[Digital input]Dec_Led_Off**
Signal used to Set the decoder disable flash power LED .
 - **[Digital input]Dec_Led_90**
Signal used to set the decoder flash power LED 90 seconds.
 - **[Digital input]Dec_Output_On**
Signal used to set the decoder output on.
 - **[Digital input]Dec_Output_Off**
Signal used to set the decoder output off.
 - **[Digital input]Dec_Output_Mute_On**
Signal used to set the decoder output mute on.
 - **[Digital input]Dec_Output_Mute_Off**
Signal used to set the decoder output mute off.
 - **[Digital input]Dec_Output_OSD_On**
Signal used to set the decoder output osd on.
 - **[Digital input]Dec_Output_OSD_Off**
Signal used to set the decoder output osd off.
 - **[Digital input]Dec_IR_Vol_5V**
Signal used to set the decoder IR voltage 5V.
 - **[Digital input]Dec_IR_Vol_12V**
Signal used to set the decoder IR voltage 12V .
 - **[Digital input]Dec_IO_Vol_5V**
Signal used to set the decoder IO voltage 5V.
 - **[Digital input]Dec_IO_Vol_12V**
Signal used to set the decoder IO voltage 12V .
 - **[Digital input]Dec_IO1_Dir_In**
Signal used to set the Decoder IO 1 as input port.
 - **[Digital input]Dec_IO1_Dir_Out**
Signal used to set the decoder IO 1 as output port.
 - **[Digital input]Dec_IO2_Dir_In**
Signal used to set the decoder IO 2 as input port.
 - **[Digital input]Dec_IO2_Dir_Out**

- Signal used to set the decoder IO 2 as output port.
- **[Digital input]Dec_IO1_Out_Low**
Signal used to set the decoder IO 1 output low(0) level .
 - **[Digital input]Dec_IO1_Out_High**
Signal used to set the decoder IO 1 output high(1) level.
 - **[Digital input]Dec_IO2_Out_Low**
Signal used to set the decoder IO 2 output low(0) level .
 - **[Digital input]Dec_IO2_Out_High**
Signal used to set the decoder IO 2 output high(1) level.
 - **[Digital input]Dec_Relay1_Open**
Signal used to set the decoder relay 1 to open.
 - **[Digital input]Dec_Relay1_Close**
Signal used to set the decoder relay 1 to close.
 - **[Digital input]Dec_Relay2_Open**
Signal used to set the decoder relay 2 to open.
 - **[Digital input]Dec_Relay2_Close**
Signal used to set the Decoder relay 2 to close.
 - **[Digital input]Dec_Flip_Off**
Signal used to set the decoder output flip off.
 - **[Digital input]Dec_Flip_Hor**
Signal used to set the decoder output flip horizontally.
 - **[Digital input]Dec_Flip_Ver**
Signal used to set the decoder output flip vertically.
 - **[Digital input]Dec_Mode_MX**
Signal used to set the decoder output mode to matrix.
 - **[Digital input]Dec_Mode_VW**
Signal used to set the decoder output mode to video wall.
 - **[Digital input]Dec_Arp_Arc**
Signal used to set the decoder Audio Return Path to ARC.
 - **[Digital input]Dec_Arp_Spdif**
Signal used to set the decoder Audio Return Path to S/PDIF.
 - **[Digital input]Dec_Earc_On**
Signal used to set the decoder eARC downgrade to ARC on.
 - **[Digital input]Dec_Earc_Off**

- Signal used to set the decoder eARC downgrade to ARC off.
- **[Digital input]Dec_SAC_Off**
Signal used to set the decoder disable ARC and CEC.
 - **[Digital input]Dec_SAC_CEC**
Signal used to set the decoder select CEC.
 - **[Digital input]Dec_SAC_ARC**
Signal used to set the Decoder select ARC .
 - **[Digital input]Dec_USB_On**
Signal used to set the decoder USB camera enable.
 - **[Digital input]Dec_USB_Off**
Signal used to set the decoder USB camera disable.
 - **[Analog input] Dec_Switch_Enc**
Singal used to set the decoder switch signals from encoder,the singal is range from 1~762.

If Dec_Switch_Mode = 0,the decoder switch all signals;
Dec_Switch_Mode = 1,the decoder switch video only signal;
Dec_Switch_Mode = 2,the decoder switch audio only signal;
Dec_Switch_Mode = 3,the decoder switch IR only signal;
Dec_Switch_Mode = 4,the decoder switch RS232 only signal;
Dec_Switch_Mode = 5,the decoder switch USB only signal;
Dec_Switch_Mode = 6,the decoder switch CEC only signal;
 - **[Analog input] Dec_Switch_Mode**
Singal used to set the decoder switch mode.The singal is range from 0~6.
 - **[Analog input] Dec_Output_Resolution**
Singal used to set the decoder output resolution.The singal is range from 0~13.
 - **[Analog input] Dec_Output_Rotate**
Singal used to set the decoder output rotate.The singal is range from 0~3.
 - **[Serial input]Dec_Name**
Signal used to set decoder name.
 - **[Serial input]From_Device**
Signal used to receive character from the connected device.

Outputparameterdescription:

- **[Serial output]To_Device**
Singal used to send character command to the connected device.