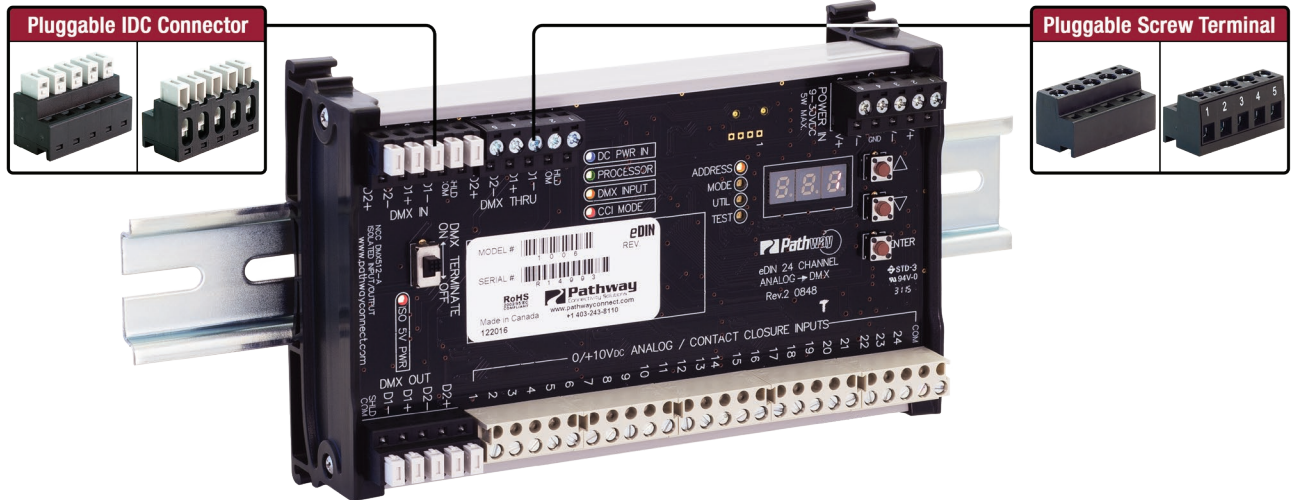


ANALOG TO DMX, 24 CHANNELS, eDIN

#1006



PRODUCT OVERVIEW

The 1006 converts 24 analog 0-10VDC sources or 24 dry contact closures into a DMX512 signal. A built-in DMX merger combines signal output with other in-line 1006 interfaces, lighting consoles or controllers. It may also be used as a simple snapshot playback device, holding up to 24 “looks” that can be triggered by contact closure.

Field configurable through front panel or by RDM.

FEATURES

- DMX512 start address and operating mode may be set from front panel interface or remotely using E1.20 RDM
- Indicator LEDs for power, processor, DMX input status and contact closure operation
- Convert source 0-10VDC input to DMX512 output levels
- Alternate contact closure mode, for off/full DMX512 control
- Recall mode allows capture and playback of up to 24 discrete, full universe “looks”
- LED indicator for CCI mode
- Built-in merger allows in-line operation with other DMX sources in either recall or input modes
- One DMX512/RDM data input connection
- One passive DMX512 data thru connection
- One DMX512 out connection
- Pluggable screw terminal connectors blocks for power and analog inputs
- Two sets of pluggable connector blocks for DMX512 to support shielded twisted pair and CAT5/6
- Data and power easily daisy-chained between modules
- DMX line termination switch
- Independent test function, in both a nalog and contact closure modes
- Firmware field-upgradable using RDM (requires Pathway Pathport gateway and Pathscape software)

SPECIFICATIONS

- 1500V opto-isolation between DMX signal and analog/contact inputs
- 250V fault protection on DMX input port
- Input operating voltage: 9-30VDC
- 5W power consumption
- Operating Conditions: 14°F-118°F (-10°C to 48°C); 10-90% relative humidity, non-condensing

STANDARDS COMPLIANCE

- ANSI E1.11 DMX512-A(2008)/USITT DMX512(1990)
- ANSI E1.20 RDM(2010) - Remote Device Management
- ANSI E1.3 0-10V Analog Control
- RoHS 2011/65/EU
- CE
- Class 2 Low Voltage

WEIGHTS AND DIMENSIONS

- 0.7 lbs (0.316 kg)
- 6.25"W x 4"H x 1.55"D (159mm x 103mm x 40mm)

INCLUDED FURNISHINGS

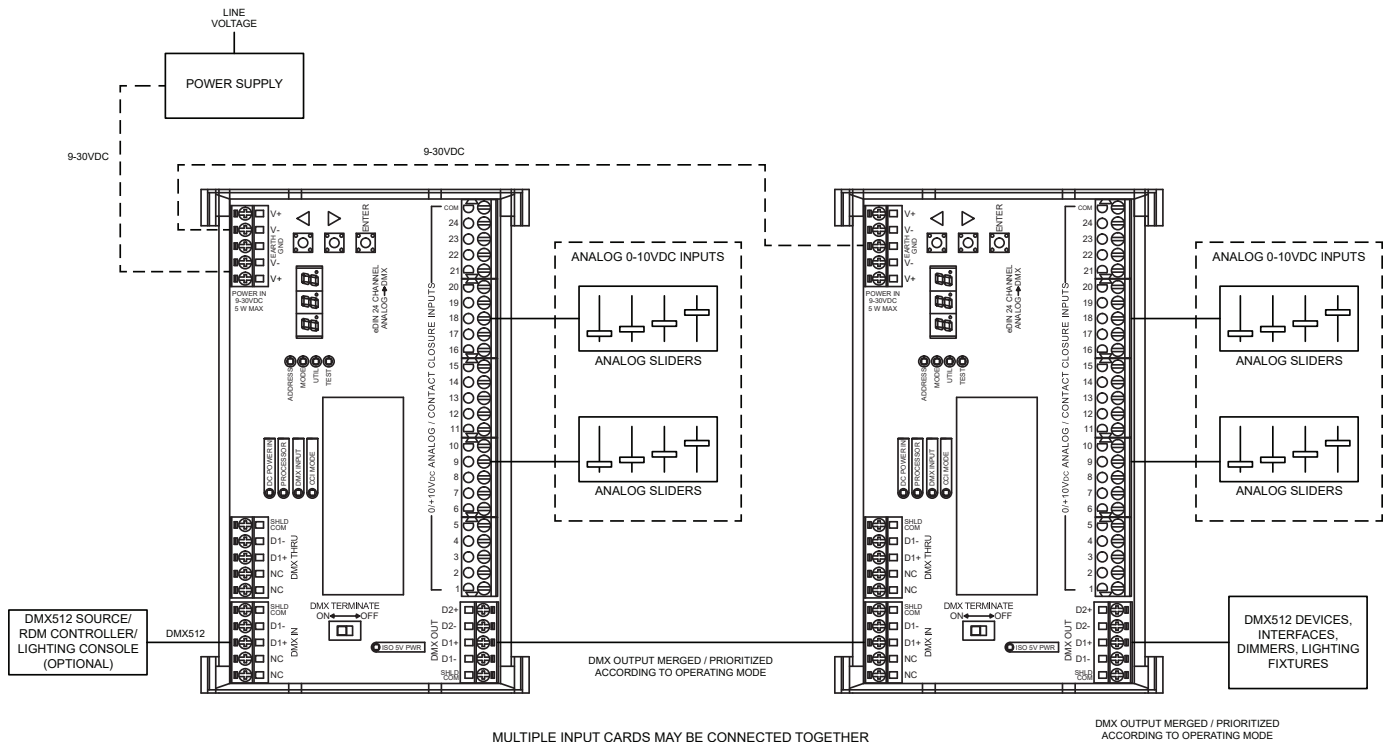
- DIN tray (housing) with end caps
- 11" (280mm) x 35mm DIN rail
- Installation/Operations manual

OPERATING MODES

- MODE 1: Highest Takes Precedence (HTP)**
 The highest level present on the analog input OR the DMX512 input for a given control channel is the level that will be present on the DMX512 output.
- MODE 2: Analog Takes Precedence (Analog Priority)**
 If the analog input level for a given channel is 4% or greater (8-bit value greater than 10), the DMX512 output for that channel will reflect the analog input value, and the corresponding DMX512 input value will be ignored. If the analog input value for a given channel is less than 4% (8-bit value less than 11), the DMX input level will determine the output level for that channel.
- MODE 3: DMX Takes Precedence (DMX Priority)**
 Whenever the DMX512 input data stream is present at the DMX IN, the DMX input levels will determine the DMX512 output levels of all channels, and all analog input levels will be ignored.
- MODE 4: Contact Closure Input**
 Whenever a given contact input is closed for a given channel (input shorted to COM), the DMX512 output for that channel will be 100% (8-bit value 255). When the contact input is open, the output for that channel will be determined by the DMX input level, if present.
- MODE 5: Preset Recall**
 When a given contact input is closed momentarily (input shorted to COM), the corresponding recorded preset will be activated on a crossfade time of 5 seconds. All 512 possible DMX channels are stored for each preset. A recalled preset will be HTP (highest-takes-precedence) merged, on a channel-by-channel basis, with any DMX input present on the DMX IN port.
- MODE 6: DMX Takes Precedence over Preset Recall**
 Whenever DMX512 is present at the DMX IN, the DMX input levels will determine the DMX512 output levels, and all recalled presets will be ignored.

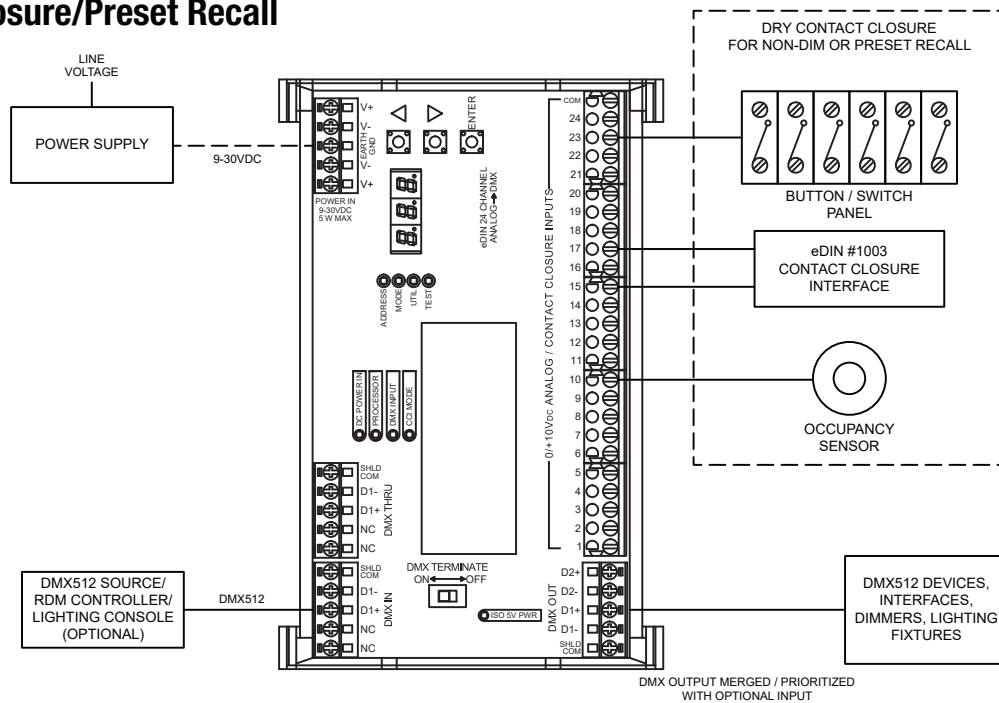
APPLICATION RISER

Analog Input



APPLICATION RISER

Contact Closure/Preset Recall



DMX PIN OUTS

DMX512/RDM
PINOUT:
FOR SHIELDED
TWISTED PAIR

XLR PIN #	PURPOSE
1	Shield
2	Data - (complement)
3	Data + (true)
4	Not Used
5	Not Used

DMX512/RDM
PINOUT:
FOR CAT 5/6

XLR PIN #	CAT5/6 Pin # and Color	PURPOSE
3	1 - White/Orange	Data 1 + (true)
2	2 - Orange	Data 1 - (complement)
5	3 - White/Green	Not Used
4	6 - Green	Not Used
-	4 - Blue	Not Used - do not connect
-	5 - White/Blue	Not Used - do not connect
1	7 - White/Brown	Shield/COM
1	8 - Brown	Shield/COM

ORDERING INFORMATION

PART #	DESCRIPTION
1006	Pathway Analog to DMX, 24 Channels, eDIN
ACCESSORIES	
1001-050-24-DIN	50 Watt, 24VDC Power Supply, eDIN
1103	eDIN Rack Mount Panel, 2RU high, two 16.5" DIN Rail
1105	eDIN System Enclosure 10" x 13" x 4.5" c/w One 9" Vertical DIN Rail
1106	eDIN System Enclosure 10" x 23" x 4.5" c/w One 19" Vertical DIN Rail
1107	eDIN System Enclosure 10" x 23" x 4.5" c/w Three 9" Horizontal DIN Rail
1108	eDIN System Enclosure 10" x 13" x 4.5" c/w Two 9" Horizontal DIN Rail
1109	Expanded eDIN System Enclosure 18.5" x 31.5" x 6.5" c/w Three 24" Vertical DIN Rail, One 18" DIN Rail in Class 1 section, two 3-gang knockouts in removable door