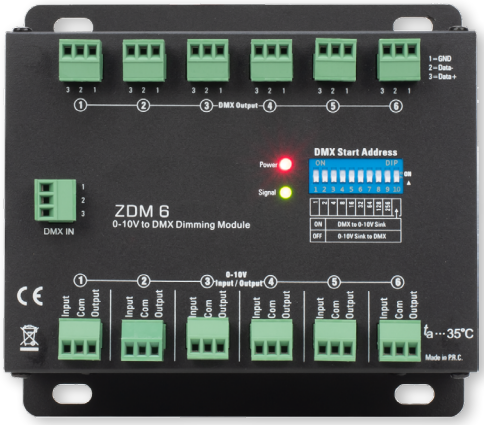
ZDM 6™

Acclaim™

PROJECT	FIRM	ORDER #	TYPE	QTY



ZDM 6™ is a flexible protocol converter that efficiently bridges the gap between the worlds of analog 0-10V and digital DMX512 control protocols.

ZDM 6 can take up to six separate 0-10V (source or sink) input signals and convert them to separate DMX512 channels. Conversely, it can also convert six received DMX512 channels into six separate 0-10V sink outputs - see page 2 for details.

ZDM 6 operates with a low power overhead and uses 3-pin terminal connectors for all signal connections.

At a glance

Power input
100 to 240VAC 50/60Hz

Consumption
14.4W

Temperature
14° F to 122° F
-10° C to 50° C

Protection
Ingress: IP20 (dry location)

Signal conversions
0-10V ⇄ DMX

Specifications

Power input	100-240VAC, 50/60Hz
Power consumption	14.4W
Conversion mode 1	**Input:** DMX512 **Output:** 0-10V sink
Conversion mode 2	**Input:** 0-10V sink or source **Output:** DMX512
Mounting	Wall mount: 4x Ø0.22" (Ø5.5 mm) surface mount holes
Material / finish	Aluminum / black powder coat
Ambient temperature range	14° F to 122° F (-10° C to 50° C)
Ingress protection	IP20, dry location
Fixture connectors	3-pin terminal blocks for 0-10V and DMX512; bare wire tails for power input
Warranty	5 years, limited
Weight	1.25 lbs (0.57 kg)
Dimensions	See page 3
Certifications	Intertek, CE, FC, UKCA

SCAN FOR PRODUCT PAGE

Order code

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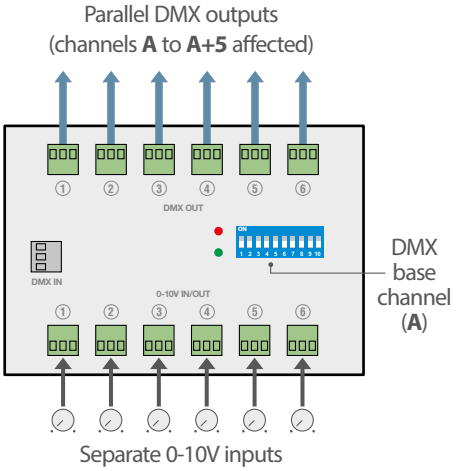
Signal conversions

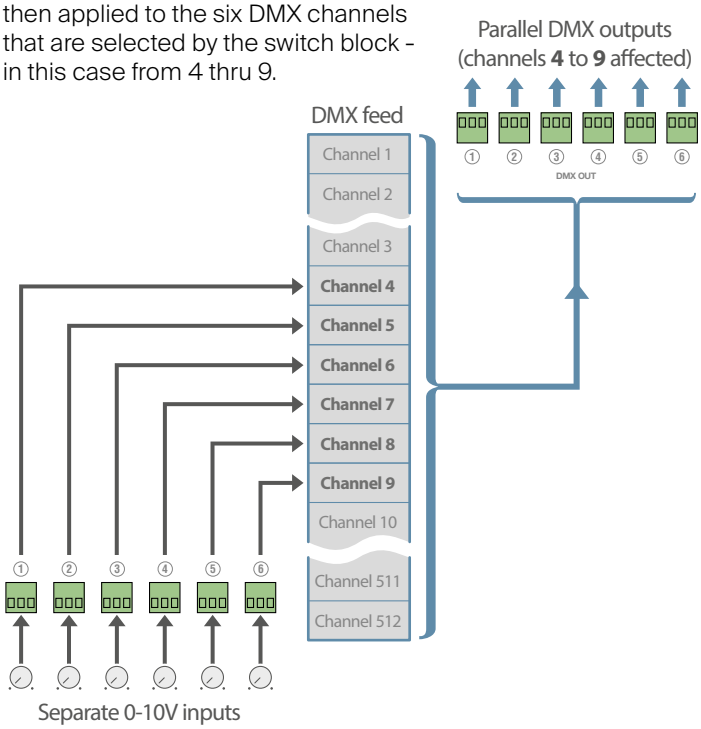
The ZDM 6 unit operates in either of two modes to bridge the divide between 0-10V and DMX:

0-10V to DMX

In this arrangement, the six 0-10V inputs each affect one DMX channel (from **A** to **A+5**). The same DMX outputs (containing the six affected channels) are applied across all six of the DMX Out connectors.



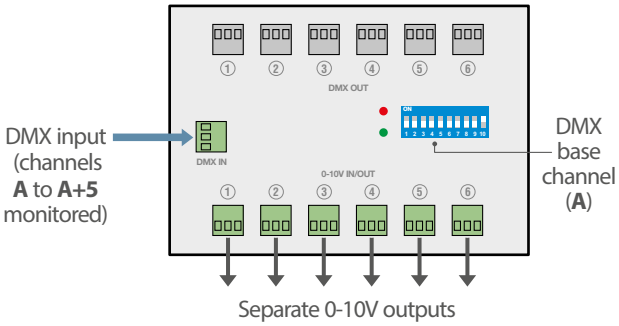
The diagram below shows the inside story of the 0-10V to DMX conversion. The six separate 0-10V inputs are converted into equivalent digital values (each between 0 and 255). These are then applied to the six DMX channels that are selected by the switch block - in this case from 4 thru 9.



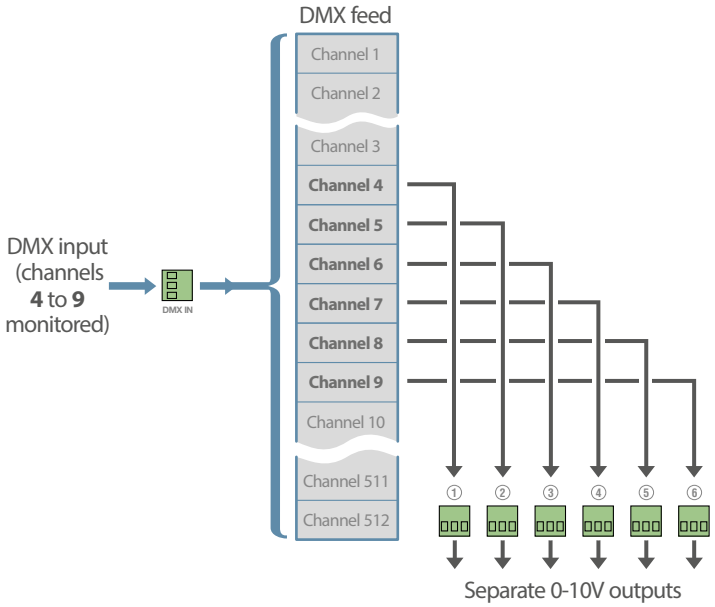
The complete DMX universe (including the six affected channels) is duplicated across all six of the DMX Out ports. Each port can drive up to 32 DMX devices. *Note: The output values for all other DMX channels (apart from 4 thru 9) will remain at zero.*

DMX to 0-10V

In this arrangement, the DMX feed is received at the DMX In port. Six of the channels (beginning with channel **A**) are converted to analog values and applied individually to the six 0-10V outputs.



The diagram below shows the inside story of the DMX to 0-10V conversion. Six channels, in this case 4 thru 9, of the DMX input are converted into equivalent analog values.



The analog values are then applied individually to the six 0-10V output ports. Each port can drive one 0-10V current sink device.

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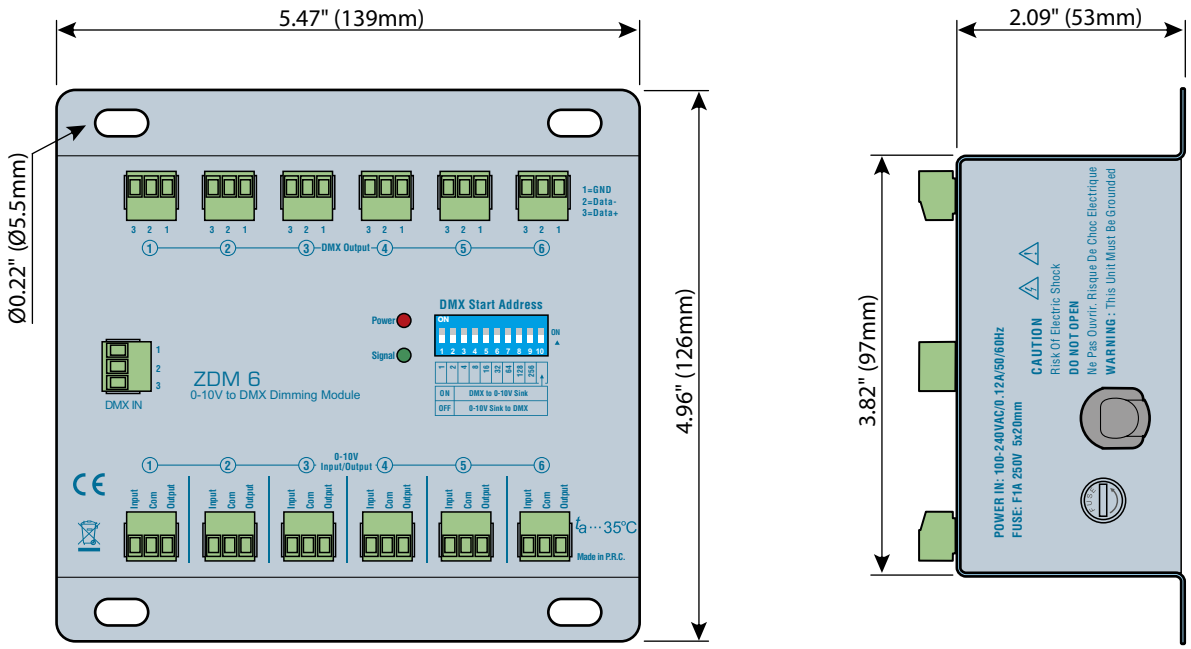
Dimensions



For full installation details, please refer to the **user guide**, available for free download here: