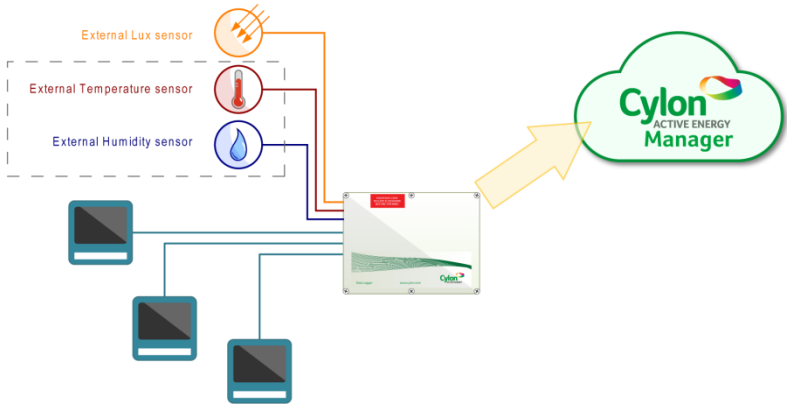


# Active Energy 8-channel Data Logger

The **Active Energy 8-channel Data Logger** is a logging solution that integrates directly with the Cylon Active Energy service.

The **Active Energy 8-channel Data Logger** is capable of logging 8 pulse energy meters and 4 sensors with a 0 to 10 V<sub>dc</sub>.



The **Active Energy 8-channel Data Logger** is compatible with the following meters:

- Any pulse meter that has a minimum pulse width of 25 mS and a pulse frequency less than 20 Hz (Volt-Free and Open Collector)

## Specifications:

### MECHANICAL

Size	280 x 380 x 180 mm
Enclosure	Injection molded ABS
Mounting	Screw mounting
IP Rating	IP 55

### ENVIRONMENT

Ambient Temperature	0° - 50°C ambient.
Ambient Humidity	0% - 90% RH non-condensing
EMC Immunity	EN 50082-1 (Cylon UC32 Controllers)
EMC Emission	EN55011 Class B (Cylon UC32 Controllers)

### WIRING

**Note:** Use Copper or Copper Clad Aluminum conductors only.  
 Recommended cable for meter pulse wiring: Belden 8760 or equivalent

Termination	Screw terminal connections.
Conductor Area	Max: AWG 14 [2.5 mm <sup>2</sup> ] Min: AWG 22 [0.355 mm <sup>2</sup> ]

### ELECTRICAL

Supply Requirements	100 to 240 V <sub>ac</sub> 50/60 Hz
Transformer Rating	24 V <sub>dc</sub> (2.5 A)

## INPUTS/OUTPUTS

**Note:** Screened cable is recommended for all input connections.  
 Recommended cable for meter pulse wiring: Belden 8760 or equivalent

8 Universal Inputs



Pulse Counting up to 20 Hz, minimum pulse width 25 mS.  
 (Volt Free and Open Collector)

UniPuts™



Active Input 0 – 10 V @ 40 KΩ. 9 bit resolution.  
 On-board 24 V<sub>dc</sub> power supply to power the sensors.

## COMMUNICATIONS

3G Modem configured to communicate with the Active Energy Manager

## INTERFACE

Active Energy Manager

Cloud-based energy monitoring and targeting (M&T) application to which the Data Logger sends the recorded energy and environmental data.

