



Product overview

The AX-WMPAC converts the pulse signal output from a water meter into a 0-10 volt analogue output. Various maximum flow rate and litres per pulse options are easily selectable using DIP switches. The AX-WMPAC is supplied in a DIN rail carrier as standard suitable for mounting on TS35 section DIN rail. An enclosure mounted option is available. The module features high quality rising clamp terminals for ease of connection.

Features

- Converts reed switch pulse input to 0-10Vdc
- 24Vac/dc powered
- DIN rail carrier as standard (TS35 DIN rail)
- Litres per pulse rate selectable
- Maximum flow rate selectable
- Enclosure option available

Product specifications

Supply voltage	24Vac/dc (+/-15%)
Inputs	Pulse signal from volt free reed switch
Litres per Pulse range	1L, 10L, 100L, 1,000L (DIP switch selectable) See table 1.
Max Flow Rate range	3 to 80 m ³ /hr (DIP switch selectable) See table 2.
Output	0 - 10Vdc at 10mA maximum load
LED Indication	Input pulse and Activity/Error
Terminals	Rising clamp for 0.5-2.5mm ² cable
Ambient temperature range	0°C to 50°C
Dimensions	57(W) x 83(H) x 45(D) mm (Maximum) (DIN rail version)
Weight	150gms (DIN rail version)
Country of origin	United Kingdom

Order codes

AX-WMPAC	Water Meter Pulse to Analogue Converter with DIN rail carrier
AX-WMPAC-E	Water Meter Pulse to Analogue Converter with enclosure

Order online at:

www.annicom.com

Email orders and enquiries to:

sales@annicom.com

Installation

The AX-WMPAC should be installed by a suitably qualified technician in conjunction with any guidelines for the equipment it is to be connected to and local regulations. Field wiring should be installed to satisfy the requirements set out by the manufacturer of the equipment that the module is being connected to.

Description, connections and tables

The WMPAC is a single input pulse rate to analogue converter with DIP switch selectable input pulse parameters. The available settings are shown in Table 1 and Table 2. Valid combinations are shown in Table 3 (See LED indication below). The 0 to 10V output voltage is proportional to the pulse rate with 0 volts corresponding to minimal flow and 10 volts corresponding to maximum flow as per the tables below. Pulse rates above Qmax are ignored with the output remaining at maximum. Example output voltages are given on Table 4.

Table 1 Litres/Pulse selection

DIP Switch (DS1)	Litres/Pulse
1	1000
2	100
3	10
4	1

Table 2 Maximum flow rate

DIP switch (DS2)	m ³ /hr	L/min
1	80	1350
2	50	850
3	30	500
4	20	335
5	12	200
6	7	120
7	5	85
8	3	50

Table 3 Selection matrix

		Litres/Pulse			
		1	10	100	1000
Maximum flow (Qmax) m ³ /hr	3	X	X	X	-
	5	X	X	X	-
	7	X	X	X	-
	12	X	X	X	-
	20	-	X	X	-
	30	-	X	X	X
	50	-	X	X	X
	80	-	X	X	X

Available option - X

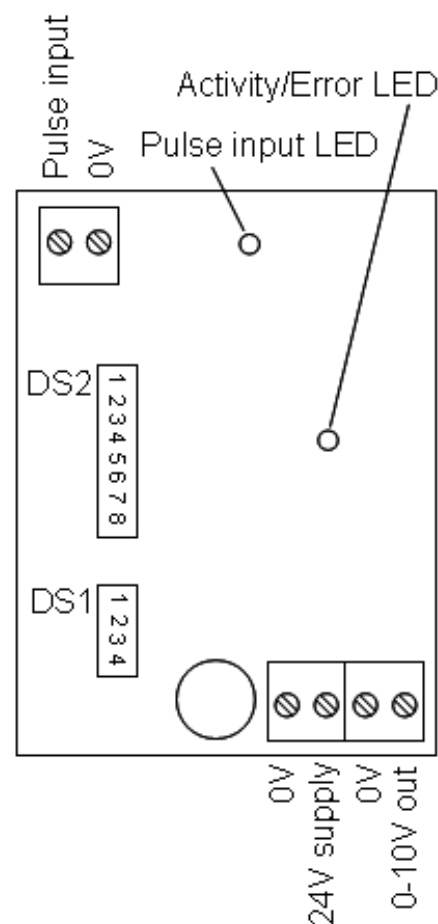


Table 4 5V and 10V analogue output points

Qn	5V out	L/min	25	42	60	100	167	250	425	675
		m ³ /hr	1.5	2.5	3.5	6	10	15	25	40
Qmax	10V out	L/min	50	85	120	200	335	500	850	1350
		m ³ /hr	3	5	7	12	20	30	50	80
Litres/Pulse setting			1	10	10	100	100	100	100	1000

LED Indication

Pulse input LED	Flashes when input pulse received. (Permanently on if pulse remains on)
Activity/Error LED	Flashes once per second. Permanently on when incorrect DIP switches combination selected

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