

A GUIDE TO THE INSTALLATION, OPERATION & MAINTENANCE OF SprinklerSense Wall Mounted Connection Unit, WM FOR USE WITH SPDB30 & SPDB90 TYPE FLOW SWITCHES



1 Specification & Operation

1.1 Introduction

The SprinklerSense WM is designed specifically for use with Influx SPDB30 and SPDB90 type LPCB approved flow switches. The unit is permanently wall mounted at an easily accessible height to provide a means of connection to a PTI portable user interface unit which provides access to the self-test features of the flow switch.

1.2 Construction & Specification

Housing: 2 Gang Faceplate (surface mounting rear box provided)
Operating Temperature Range: 2 to 68°C
Supply Voltage: 18 to 30V D.C.

1.3 Operation

The WM once installed and connected to a Sprinklersense flow switch provides a 4-way Mini-DIN connector socket which should only be used with a Sprinklersense PTI device. When connected, the WM provides power to the PTI and allows communication with the flow switch. The PTI manual gives further information regarding operation.

2 Installation

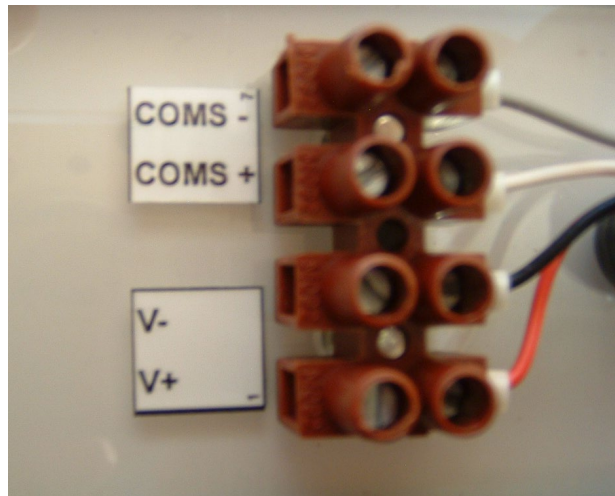
2.1 Mechanical

The 2 Gang size fascia plate is supplied with a matching surface mounted box. If required an alternative 2 Gang type box can be used with a **minimum depth of 35mm**. The box should be mounted in an easily accessible position where it is not likely to become wet in normal use.

Cable entries should be made available for cables: 1) from the power supply; 2) to the flow switch. The box should be fixed using suitable fixings, not supplied.

2.2 Electrical & Power Supply

THIS IS AN EXTRA-LOW VOLTAGE DEVICE, DO NOT CONNECT TO MAINS VOLTAGES OR CONNECT MAINS VOLTAGES WITHIN THE BOX.



Power Supply and Battery

The SprinklerSense system requires a D.C. power supply connection within the range of 18 to 30 Volts. This allows it to be supplied using proprietary battery backup systems of 24V DC.

The power supply connections should be connected to the WM at terminals as shown above, (24VDC to V+ and 0V to V-).

FTI to Flow Switch

A 4-core cable should be used to connect the WM directly to the flow switch unit, using the terminals shown above connected to terminals 1 to 4 in the flow switch. Connect V+ to V+, V- to V-, COMS+ to COMS+ and COMS- to COMS-.

IF IN DOUBT PLEASE CONTACT INFLUX FOR ADVICE



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