



## Signaline WIB Installation Manual

### Read the following instructions carefully

The Signaline Water Interface Box (Signaline WIB) is an IP66 enclosure which comes complete with a terminal block and cable glands to interface the Signaline WDM-KM with a water detection control panel.

The WIB kit consists of:

- 1 x enclosure
- 1 x terminal block
- 1 x 680 ohm resistor (blue/grey/brown/gold)
- 1 x 470 ohm resistor (yellow/violet/brown/gold)
- 1 x PG16 cable gland
- 2 x PG9 cable glands
- 2 x PG16 to PG9 reducers
- 2 x locking rings
- 2 x PG16 O rings
- 2 x PG9 O rings
- 2 x fixing screws
- 1 x Diode

For **every** Signaline WDM-KM Control Module, one Signaline WIB is required if connecting to a water control panel.

The components in the Signaline WIB kit have been selected to withstand temperatures of up to 100°C.

The Signaline WIB should be mounted in a suitable location at least 0.5m higher than the maximum anticipated water level.

### Instructions

- Connect the 6 core data cable from the Signaline WDM-KM Control Module using a PG9 cable gland, a PG16 to PG9 reducer with one of each O ring
- The connection to the water control panel should be made by a cable with a conductor size of not less than 0.5mm<sup>2</sup>. A selection between the PG16 or remaining PG9 cable glands should be made according to the diameter of cable used between the Signaline WIB and the control panel

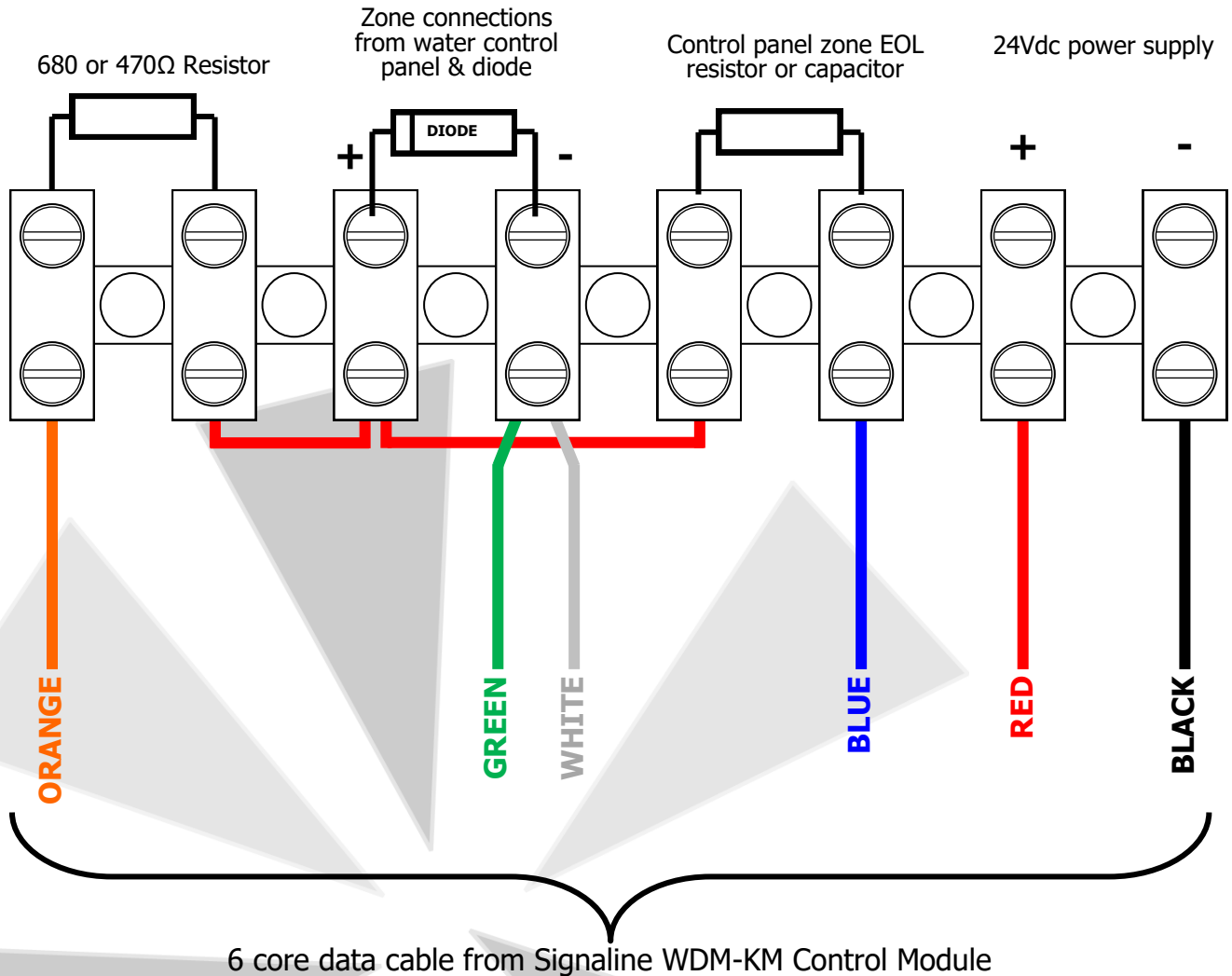
### See also

Signaline ESWD-2-4 Water control panel Instruction Manual  
Signaline ESWD-2-4 Water control panel Quick Start Guide  
Signaline WDM-KM Control Module Instruction Manual

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### Note

- The End of Line device is supplied with the water control panel, please refer to the control panel instructions for further information
- The 680 & 470 ohm resistors are supplied with the Signaline WIB kit. Use the 680Ω resistor when connecting to a Signaline ESWD-2-4 water control panel. Other panels may require a different resistor value such as 470Ω



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### Contact Ratings for 6-core Cable from Signaline WDM-KM Control Module

Orange and Green Water detected alarm Non-latching Alarm. Normally Open volt free contact rated 1A @ 30Vdc (resistive load)

White -ve opto-isolated volt free fault contact

Blue +ve opto-isolated volt free fault contact

*Fault contact is Normally Closed opto-isolated output (opening on power loss or open circuit of detection cable). Contact rated 20mA @ 48Vdc (resistive load)*

Red +12-30Vdc power supply

Black 0Vdc supply



#### **Important Note**

The fault output circuit is not current limited. Exceeding the specified current limit on the fault output will damage the fault output circuit beyond repair.

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