



# APPLICATION NOTE

## Analog input wiring

This document explains how to connect analog (or digital) sensors on the analog input of the Compact products range.

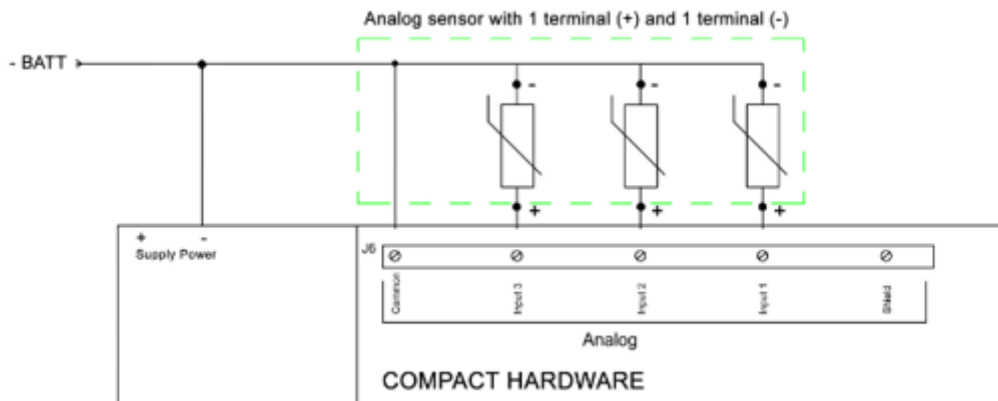
You can use 1 or 2-wire analog sensors, or 1-wire or 2-wire logical sensors.

You must use the following wiring (Incorrect wiring of the analog inputs can cause damage to the module, or cause a wrong measurement):

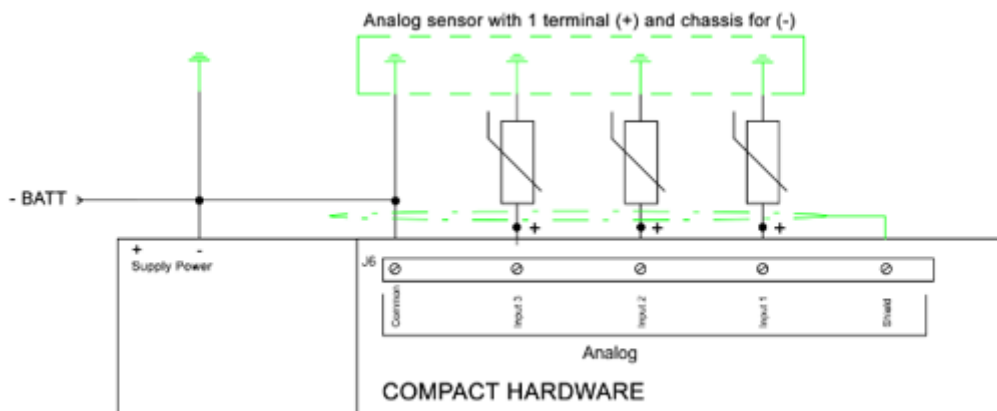
### CRE Recommendation:

In each case you must always connect the "common" J6 to the "- Power Supply" J1 and also connect it to the engine block in the case of 1-wire sensor.

#### A-1: Analog sensor 2 wires:



#### A-2: Analog sensor 1 wire:

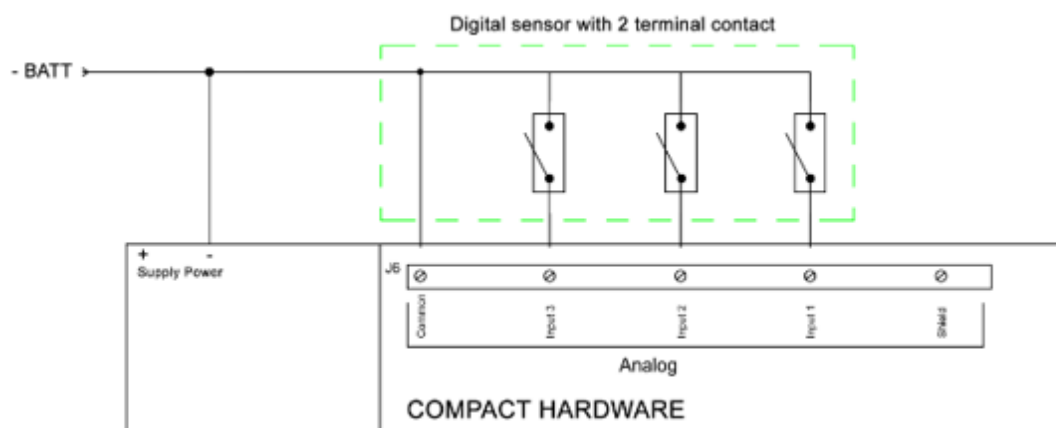




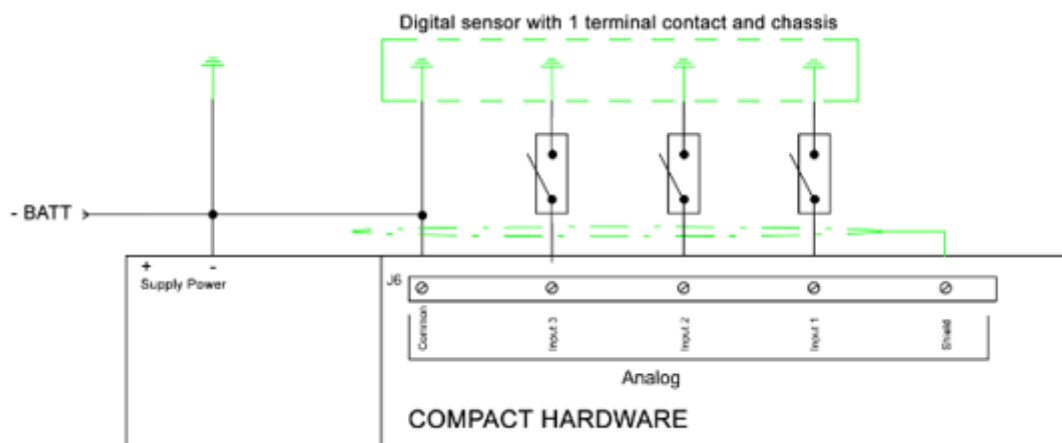
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### B-1: Digital sensor 2 wires:



### B-1: Digital sensor 1 wire:



**⚠ The warranty will be void if the manufacturer's instructions are not respected**