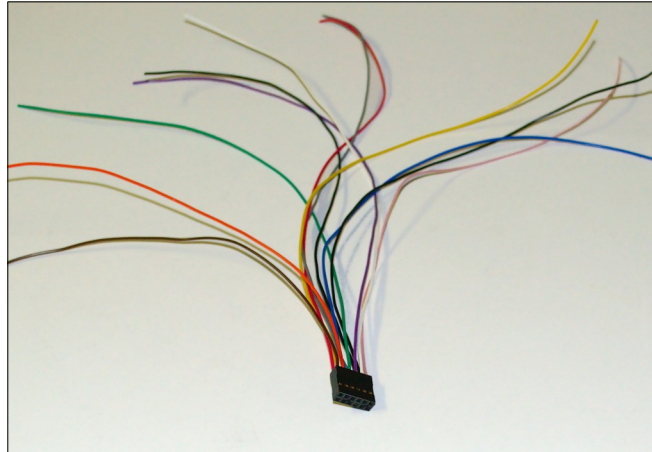


Input/Output cable for the Starling H0440

This cable connects is suitable to link switches, digital sensors, LEDs or solid-state relays to the General I/O connector (P9) on the Starling model H0440.



The cable connector fits on the H0440 in two ways, but we recommend that it is fitted so that the brown and red wires are toward the serial connector (P1). When installed this way, the wires are assigned as follows:

Brown	I/O pin 0 (programmable as either input or output)
Red	I/O pin 1 (programmable as either input or output)
Orange	I/O pin 2 (programmable as either input or output)
Yellow	I/O pin 3 (programmable as either input or output)
Green	I/O pin 4 (programmable as either input or output)
Blue	I/O pin 5 (programmable as either input or output)
Violet	I/O pin 6 (programmable as either input or output)
Gray	I/O pin 7 (programmable as either input or output)
White	Analogue output (programmable voltage level)
Black	Ground
Pink	Power output (400 mA max.)
Black	Ground

There are two ground wires (both are black).

Since the I/O pins have a pull-up resistor on the H0440, it is sufficient for switch contacts to branch each switch between a coloured wire (except white and pink) and black. When using multiple switches, each switch needs to be attached to one of the black wires on one side and an individual coloured wire on the other side. For example, the first switch can use brown & black, and the second red & black.

All wires are at minimum 250mm long.

See the Starling H0440 User Guide and the H0440 Reference Guide for more information on the connector P9.