

INSPIRED BY EFFICIENCY



Things to be aware of if changing out an Interface Box

6/16/2022

Changes to the Interface Box



Quick History:

- The interface box has gone through 3 iterations since it was originally introduced.
- The changes were made:
 - To keep up with MultiControl and Motor Changes.
 - Additional voltage options.
 - To have cUL approval.

NOTE:

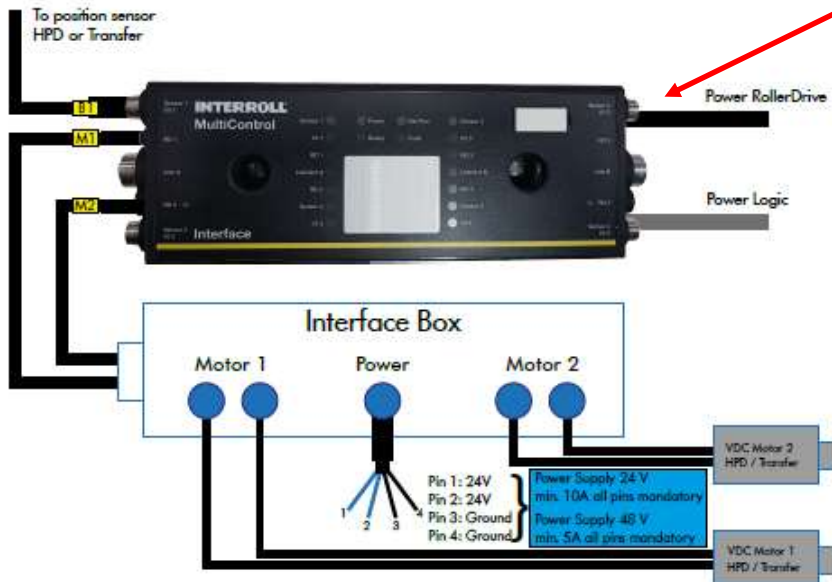
THE USER MANUAL HAS INFORMATION ON ALL THREE VERSIONS AND IS A USEFUL REFERENCE

Determining if you have an older Interface box



If your Interface box is supplying motor power to the associated MultiControl Card then you have one of the older versions of the Interface box.

If you have the older Interface Box, you will need to run a separate power cable to the motor power of the associated MultiControl Card.

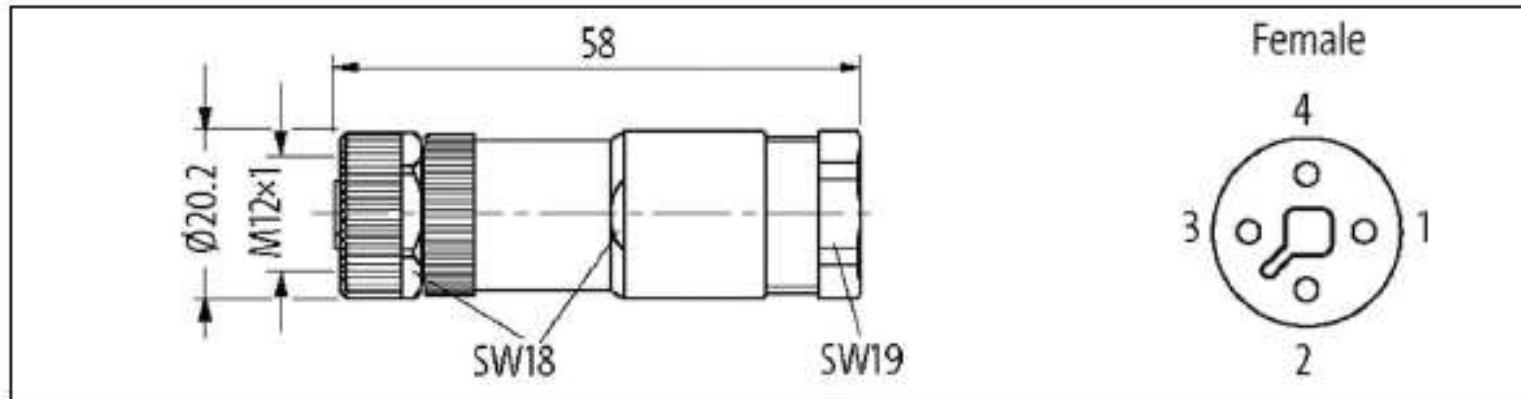


Double Check the Power Connection to the Interface Box



NOTE:

- All four pins of the power connector to the Interface box have to be wired with the proper voltage. Failure to wire all four connections can lead to operational irregularities or failure.
- The voltage supplied to the Interface Box must match the voltage required by the motors.



This connector is included in the scope of delivery.

External cable diameter: 8–10 mm

Pins 1 and 2 must both be connected with +24 V or +48 V.

Pins 3 and 4 must be connected with 0 V.

Settings that need to be checked before installing the Interface Box



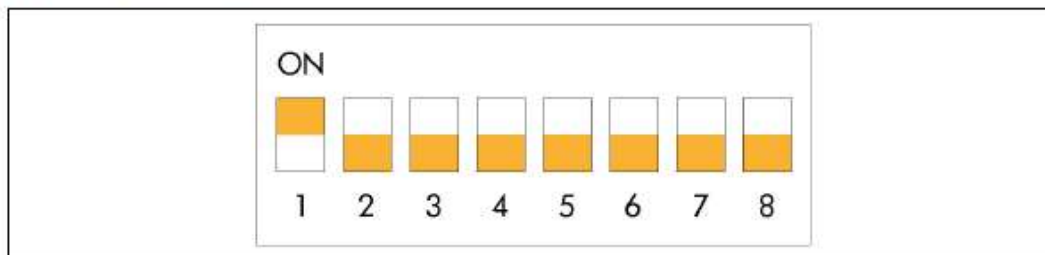
Dip Switch Settings:

- The dipswitch settings need to be configured for the application, confirm that the Interface box is configured for the proper Mode of Operation (settings 1- 5).
- Confirm that the Correct motor power is selected (setting 6).

NOTE:

The voltage supplied to the Interface box must be the correct voltage for the motors being controlled.

DIP switch on the interface box



Different settings of the DIP switch on the interface box 48 are used to transfer different parameters to the motors, see table.

	1	2	3	4	5	6	7	8
HPD	L	L	L	L	L	L = 24 V, H = 48 V	H = Motor 1 deactivated	H = Motor 2 deactivated
Transfer 28 A* / 14 A**	H	L	L	L	L			
Transfer 20 A* / 10 A**	H	H	L	L	L			
Transfer 12 A* / 6 A**	L	L	H	L	L			
Reclaim unit 28 A / 14 A	L	H	L	L	L			

*24 V **48 V