

SMARTONE C

Line Power and External Inputs cable – Installers Guide.

This SmartOne Line-Power and External Inputs cable can be used to:

1. Power your SmartOne C using Automotive or 5V USB Line Power (choice of either cable type).
2. Generate a Digital Input Status Changed Message.



Colour	Function
Light Blue	Dry Contact 2
White	Dry Contact 1
Yellow	Soft Power Down (Normally Open)
Green	Ground
Blue	Ground
Violet	Line Power +
Brown	Reserved
Red	Reserved
Orange	Reserved

1. Line Power

IMPORTANT: The SmartOne C should be connected to Line Power by a suitably qualified technician.

1. When using the 5V external input cable (PN# 2030-0305-01), the supply voltage applied to the Line Power + wire must be 5.0 VDC +/- 0.25 VDC. Applying a different voltage will either damage the SmartOne C or cause it to function improperly/shutdown.
2. When using the 8-22 V external input cable (PN# 2030-0307-01), the supply voltage applied to the Line Power + wire must be between 8.0 VDC and 22VDC. If less than 8 VDC is applied, the regulator will not function properly. If more than 22VDC is applied, there is a chance that the regulator will be damaged.
3. Use the Violet (Line Power +) and either of the common ground wires (Green or Blue) as shown in the wiring diagram above.
4. If batteries are installed, the unit will automatically switch to battery power if line power input is lost.
5. Be certain that unused wires do not short to each other.

2. Status Changed Messages.

The SmartOne C has two dry contact inputs that are configured so that the device will send a Message once the selected input opens or closes. The Smartone C provides its own 3.3 V normally open contact which is shorted to ground by dry contact 1 or 2.

1. These are dry contact inputs, Leave Open or Short to Ground Only. Be certain that unused wires do not short to each other.
2. The Inputs must be asserted for at least 5 seconds in order to be acknowledged by the SmartOne C unit. For applications such as "engine on/off" or "gate open/closed" it is recommended holding the input in the new state continuously until the state is reverted (i.e. leave digital input open while "engine off" and leave closed while "engine on").
3. Tracertrak will interpret the Digital Input change of state in these messages, report an alarm event and send associated alerts in line with the configuration of the device in the Tracertrak User Console.