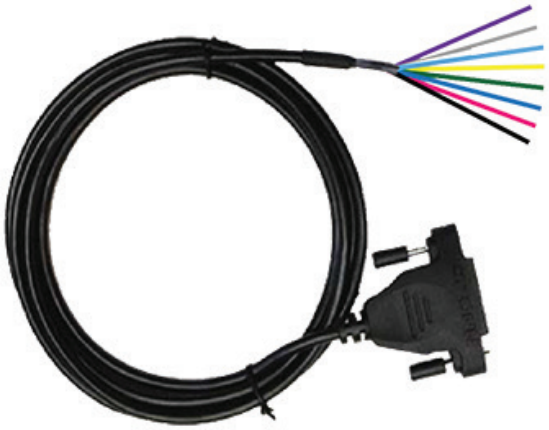
SMARTONE BLP
Line Power and External Inputs cable – Installers Guide.

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

1. Power your SmartOne BLP using Automotive Line Power.
2. Generate a Digital Input Status Changed Message.



Pin#	Colour	Function
1	Violet	Line Power +
2	Gray	Line Power -
3	White	Dry Contact 1
4	Light Blue	Dry Contact 2
5	Yellow	Soft Power Down (Normally Open)
6	Green	Ground
7	Blue	Ground
8	Pink	Ground
9	Black	Ground

1. Automative Line Power

IMPORTANT: Line power may only be applied to the SmartOne BLP version. This version can be identified by the ESN beginning 0-12 or higher e.g. 0-1234567. Previous versions of SmartOne which have an ESN beginning 0-10 or 0-11 **must not be line powered.** Applying Automotive Line Power to these previous versions will destroy the unit and void the warranty.

1. SmartOne BLP should be connected to Automotive Line Power only by a suitably qualified technician.
2. Use the Violet (+) and Gray (-) wires as shown in the wiring diagram above.
3. SmartOne BLP will operate on 10 to 48 Volts DC.
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 BLP 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 BLP 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 BLP unit. For applications such as "engine on/off" or "gate open/closed" it is recommended holding the input in the new state continously 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.