

## Application Note

### Dual Charging Cradle with Alarm (PAT-87000-02)



The Dual Charging Cradle is designed to be connected directly to a vehicle's battery system and can be configured to provide an alarm if the handheld unit is not attached to the charger. The charger is compatible with both the Trident H212 and the Smart Dig Wand H106. The charger can also be powered via an optional USB cable.

Wire Colour	Name	Notes
Red	Battery	12V or 24V
Black	Ground	
Yellow	Alarm Enable	Connect to battery to enable alarm. Can be left unconnected if unused.
Green	Alarm Output	If the <b>Alarm Enable</b> is connected to the battery, the <b>Alarm Output</b> will output the battery voltage if the handheld is NOT attached to the charger. If the handheld is on the charger, the <b>Alarm Output</b> wire will be at 0V. This output can provide up to 500mA.

#### Alarm Option:

The use of the **Alarm Output** is optional and is enabled by connecting **Alarm Enable** to the battery voltage. If the handheld is not on the charger, the **Alarm Output** wire will provide battery voltage. This can be used to power an LED, buzzer, or a relay.