

For a smooth sales experience, this Sales Guide can be used in collaboration with the client to ensure that critical and fundamental functionality is fully understood. All technical integration advice on how SmarTrack® will interface with the client's machines is the sole responsibility of the client. RCT will not advise on specifics such as harness lengths or OEM sensor characteristics. The information detailed here is to allow the client to make an informed decision on how SmarTrack® needs to be installed.

Work with the client to understand the following:

System Voltage 12-48 V

- ▶ 12 V systems will require a Buck Booster (15844). This is supplied free of charge (FOC).
- ▶ If greater than 48 V, a voltage-reducer will need to be installed.

Type of Network to be Used

- ▶ Cellular/LTE is the best option if network coverage is adequate and offers SmarTrack® as a full turnkey system (no on-site infrastructure is required). Client needs to check signal strength on-site simply using their phone to test data.
- ▶ Wi-Fi will require a high level of collaboration with the site to allow our devices on their network; we are not in control of this.
- ▶ High Gain Antenna (16098) is available for areas with poor signal strength.

Access Control Type

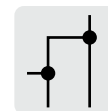
- ▶ Standard access is PIN code or RFID card. Only two RFID cards are supplied FOC with each kit. Extra cards (15919) can be purchased through RCT.
- ▶ RCT can supply RFID wristbands as an alternative to RFID cards, lanyards and retractable lanyards.
- ▶ HID option is available at an extra cost.
- ▶ HID Display (15901) uses a HID proprietary card reader allowing higher RFID Card compatibility such as HID proprietary cards and generic ISO 14443 A/B, ISO 15693 cards. It can also read RFID proximity cards to read the card serial number off non-proprietary HID cards. HID cards may have a number printed on the card that is not necessarily the serial number (access code), you must read the access code using the SmarTrack® Card Assistant. HID Prox 125kHz cards will typically have the access code printed on them.
- ▶ RFID Display (15913) uses a generic card reader to read ISO1443A card serial numbers. Generic RFID cards will typically not have a serial number printed on the card, you must read the access code using the SmarTrack® Card Assistant. SmarTrack® RFID cards and wrist bands will have the access code printed on them. Refer to the SmarTrack® RFID Card Compatibility chart for tested cards.

CARD TYPE	15084/15901 HID DISPLAY	15913 RFID DISPLAY
ISO14443A 13.56 MHz (HF):		
RCT RFID Operator Card	✓*	✓
MIFARE Classic	✓	✓
MIFARE Mini	✓	✓
MIFARE Desfire EV1	✓	✓
MIFARE Plus S,X	✓	✓
MIFARE Pro X	✓	✓
MIFARE Smart MX	✓	✓
MIFARE Ultralight	✓	✓
MIFARE Ultralight C	✓	✓
HID 13.56 MHz (HF):		
HID iCLASS® Standard/SE/SR/Seos	✓	✗
PV II	✓	✗
Secure Identity Object® (SIO®)	✓	✗
125 KHz (LF):		
HID Prox	✓	✗
Indala Prox	✓	✗
EM4102	✓	✗
AWID Prox	✓	✗

* Operator code will not match that printed on the card

ADDITIONAL DOCUMENTS

WIRING DIAGRAMS



BROCHURES



MANUALS



SALES GUIDE

SMARTTRACK® GLOBAL



Display Cable Length

- ▶ 3m (15266) or 5m (15267) are standard kit options.
- ▶ 0.6m (15314) and 1.5m (15315) are optional at an additional cost (discard the 3m or 5m from the kit).

Wiring Harness Length

- ▶ Generic Long (11265) typically for counterbalance machines, especially where the harness needs to run a distance from the rear to the front of the machine (loom length 2300mm from the module to the ignition wires).
- ▶ Generic Short (11266) typically for reach trucks and small machines (loom length 1400mm from the module to the ignition wires).

Display Screen Mounting

- ▶ SmarTrack® kits are supplied with a universal RAM 2½" diameter round base mount. Alternative RAM mounts can be ordered separately. See the SmarTrack® Global Components Guide for details.

Advanced SmarTrack® Features

(additional hardware maybe required)

- ▶ **Speed monitoring** is possible, but a speed sensor is required. SmarTrack® can sense an OEM Hall effect sensor (3 wires) 0-5 V, up to 10 kHz. A signal amplifier (4804) is required for 2-wire retractor sensors. Some generic speed sensors are available from RCT.
- ▶ **Weight monitoring** is possible, but a pressure transducer is required. SmarTrack® can sense an OEM pressure transducer that produces a signal in the 0-10 V range. Alternatively, able to use RCT's Pressure Transducer kit (15917) (Note: client needs to source a hydraulic 'tee fitting' that suits their pressure port).
- ▶ **Seat and seat belt monitoring** is possible using OEM or alternative switches.
- ▶ **GPS Zoning** feature is supported FOC and outputs a 12 V source to trigger a speed limiter when in 'Fast' mode. Only suitable for indoor/outdoor applications with clear views. This feature will need an RCT or OEM speed limiter to trigger the speed changes – please discuss this with the client.
- ▶ **Critical Output** is an optional feature that enables the Aux relay on certain 'Critical' events, such as an impact. This needs to be wired-up at the time of installation. The Aux relay has voltage-free contacts that can activate an alarm/siren or turn off the ignition circuit after a pre-set time is configured in the portal. If this option is required for your client, installers must be aware to ensure the correct wiring connections are made.

Further information on 'input' specifications can be found in the SmarTrack® Product Manual.

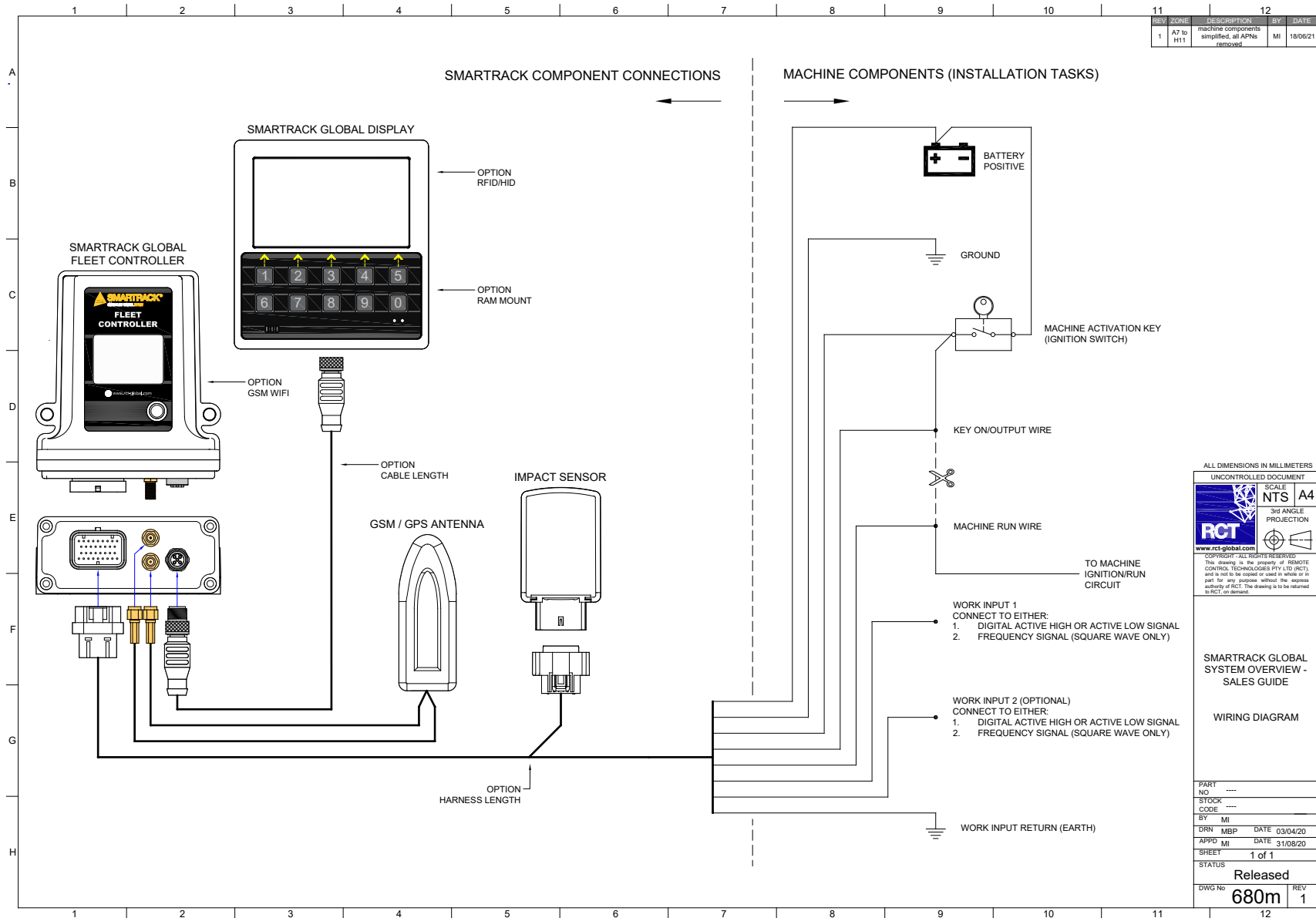
Documentation

For all existing portal users, the following documents below are located under the 'Help' section of the portal. These documents will need to be provided to the client if they have no access.

- ▶ **F0315** SMARTTRACK® COMPANY SITE CREATION REQUEST FORM
- ▶ **M1179** SMARTTRACK® GLOBAL USER GUIDE (Portal)
- ▶ **M1183** SMARTTRACK® OPERATOR MANUAL (Machine)
- ▶ **M1182** SMARTTRACK® PRODUCT MANUAL
- ▶ **SBBK2406307** SMARTTRACK® GLOBAL COMPONENTS GUIDE

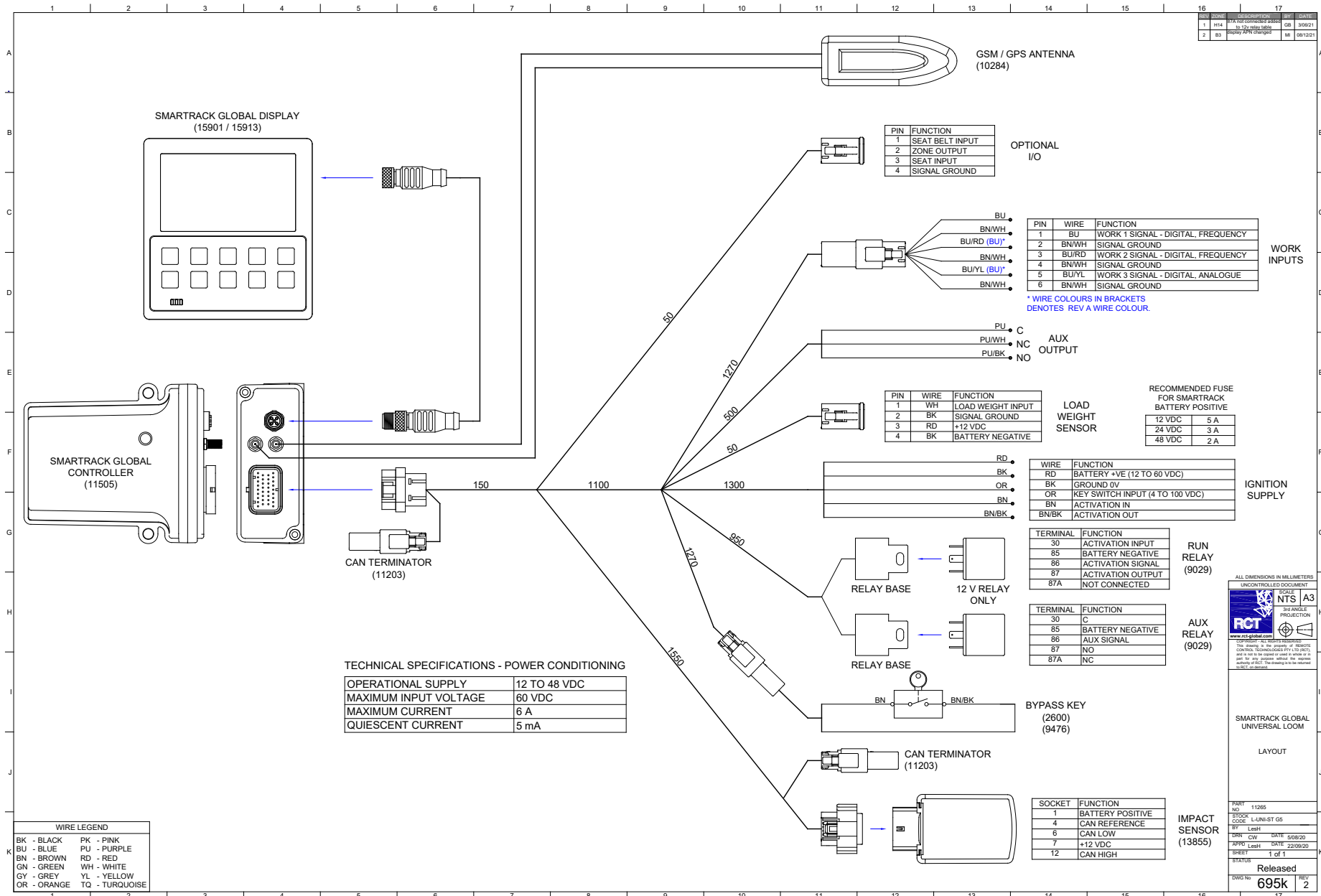
SALES GUIDE

SMARTTRACK® GLOBAL



SALES GUIDE

SMARTTRACK® GLOBAL - LOOM GENERIC LONG 11265



SALES GUIDE

SMARTTRACK® GLOBAL - LOOM GENERIC SHORT 11266

