

SMARTRACK® GLOBAL COMPONENTS GUIDE

FLEET MANAGEMENT MADE EASY
ANY TIME, **ANY**WHERE



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LTE / RFID CARD READER KITS

BASE KIT - Consists of

** not included in VDI Loom kit

1	11505	Controller Fleet SmarTrack® Global LTE	1	8460	Ram Double Socket Arm 3"
1	15913	Display SmarTrack® Global RFID	1	8492	Ram Base 2 1/2" Diameter Base
1	10284	Dual Antenna GSM and GPS	1	2600	Switch Head Key Stay Put L/H**
2	15919	RFID Operator Card	1	9476	Body With 1xN/O Contact**
1	13855	Sensor Impact SmarTrack®	1	10977	Label Bypass SmarTrack®**

3M DISPLAY CABLE

WITH STANDARD LOOM

15887

1	-	Base Kit
1	11265	Loom SmarTrack® Global
1	15266	Cable SmarTrack® Display 3m

WITH SHORT LOOM

15888

1	-	Base Kit
1	11266	Loom Short SmarTrack® Global
1	15266	Cable SmarTrack® Display 3m

WITH VDI LOOM

16027

1	-	Base Kit
1	15799	Loom VDI-4458 SmarTrack® Global
1	15266	Cable SmarTrack® Display 3m

5M DISPLAY CABLE

WITH STANDARD LOOM

15889

1	-	Base Kit
1	11265	Loom SmarTrack® Global
1	15267	Cable SmarTrack® Display 5m

WITH SHORT LOOM

15890

1	-	Base Kit
1	11266	Loom Short SmarTrack® Global
1	15267	Cable SmarTrack® Display 5m

WITH VDI LOOM

16028

1	-	Base Kit
1	15799	Loom VDI-4458 SmarTrack® Global
1	15267	Cable SmarTrack® Display 5m

LTE / HID CARD READER KITS

BASE KIT - Consists of

** not included in VDI Loom kit

1	11505	Controller Fleet SmarTrack® Global LTE	1	8492	Ram Base 2 1/2" Diameter Base
1	15084	Display SmarTrack® Global HID	1	2600	Switch Head Key Stay Put L/H**
1	10284	Dual Antenna GSM and GPS	1	9476	Body With 1xN/O Contact**
1	13855	Sensor Impact SmarTrack®	1	10977	Label Bypass SmarTrack®**
1	8460	Ram Double Socket Arm 3"			

3M DISPLAY CABLE

WITH STANDARD LOOM

11517

1	-	Base Kit
1	11265	Loom SmarTrack® Global
1	15266	Cable SmarTrack® Display 3m

WITH SHORT LOOM

15351

1	-	Base Kit
1	11266	Loom Short SmarTrack® Global
1	15266	Cable SmarTrack® Display 3m

WITH VDI LOOM

16029

1	-	Base Kit
1	15799	Loom VDI-4458 SmarTrack® Global
1	15266	Cable SmarTrack® Display 3m

5M DISPLAY CABLE

WITH STANDARD LOOM

15615

1	-	Base Kit
1	11265	Loom SmarTrack® Global
1	15267	Cable SmarTrack® Display 5m

WITH SHORT LOOM

15616

1	-	Base Kit
1	11266	Loom Short SmarTrack® Global
1	15267	Cable SmarTrack® Display 5m

WITH VDI LOOM

16030

1	-	Base Kit
1	15799	Loom VDI-4458 SmarTrack® Global
1	15267	Cable SmarTrack® Display 5m



WIFI / RFID CARD READER KITS

BASE KIT - Consists of

** not included in VDI Loom kit

1	15847	Controller Fleet SmarTrack® Global WiFi	1	8460	Ram Double Socket Arm 3"
1	15913	Display SmarTrack® Global RFID	1	8492	Ram Base 2 1/2" Diameter Base
1	15905	Antenna Dual Band WiFi and GPS	1	2600	Switch Head Key Stay Put L/H**
2	15919	RFID Operator Card	1	9476	Body With 1xN/O Contact**
1	13855	Sensor Impact SmarTrack®	1	10977	Label Bypass SmarTrack®**
1	4723	Antenna Mount			

3M DISPLAY CABLE

WITH STANDARD LOOM

15891

1	-	Base Kit
1	11265	Loom SmarTrack® Global
1	15266	Cable SmarTrack® Display 3m

WITH SHORT LOOM

15892

1	-	Base Kit
1	11266	Loom Short SmarTrack® Global
1	15266	Cable SmarTrack® Display 3m

WITH VDI LOOM

16033

1	-	Base Kit
1	15799	Loom VDI-4458 SmarTrack® Global
1	15266	Cable SmarTrack® Display 3m

5M DISPLAY CABLE

WITH STANDARD LOOM

15893

1	-	Base Kit
1	11265	Loom SmarTrack® Global
1	15267	Cable SmarTrack® Display 5m

WITH SHORT LOOM

15894

1	-	Base Kit
1	11266	Loom Short SmarTrack® Global
1	15267	Cable SmarTrack® Display 5m

WITH VDI LOOM

16034

1	-	Base Kit
1	15799	Loom VDI-4458 SmarTrack® Global
1	15267	Cable SmarTrack® Display 5m

WIFI / HID CARD READER KITS

BASE KIT - Consists of

** not included in VDI Loom kit

1	15847	Controller Fleet SmarTrack® Global WiFi	1	8492	Ram Base 2 1/2" Diameter Base
1	15084	Display SmarTrack® Global HID	1	2600	Switch Head Key Stay Put L/H**
1	15905	Antenna Dual Band WiFi and GPS	1	9476	Body With 1xN/O Contact**
1	13855	Sensor Impact SmarTrack®	1	10977	Label Bypass SmarTrack®**
1	8460	Ram Double Socket Arm 3"	1	4723	Antenna Mount

3M DISPLAY CABLE

WITH STANDARD LOOM

15895

1	-	Base Kit
1	11265	Loom SmarTrack® Global
1	15266	Cable SmarTrack® Display 3m

WITH SHORT LOOM

15896

1	-	Base Kit
1	11266	Loom Short SmarTrack® Global
1	15266	Cable SmarTrack® Display 3m

WITH VDI LOOM

16031

1	-	Base Kit
1	15799	Loom VDI-4458 SmarTrack® Global
1	15266	Cable SmarTrack® Display 3m

5M DISPLAY CABLE

WITH STANDARD LOOM

15897

1	-	Base Kit
1	11265	Loom SmarTrack® Global
1	15267	Cable SmarTrack® Display 5m

WITH SHORT LOOM

15898

1	-	Base Kit
1	11266	Loom Short SmarTrack® Global
1	15267	Cable SmarTrack® Display 5m

WITH VDI LOOM

16032

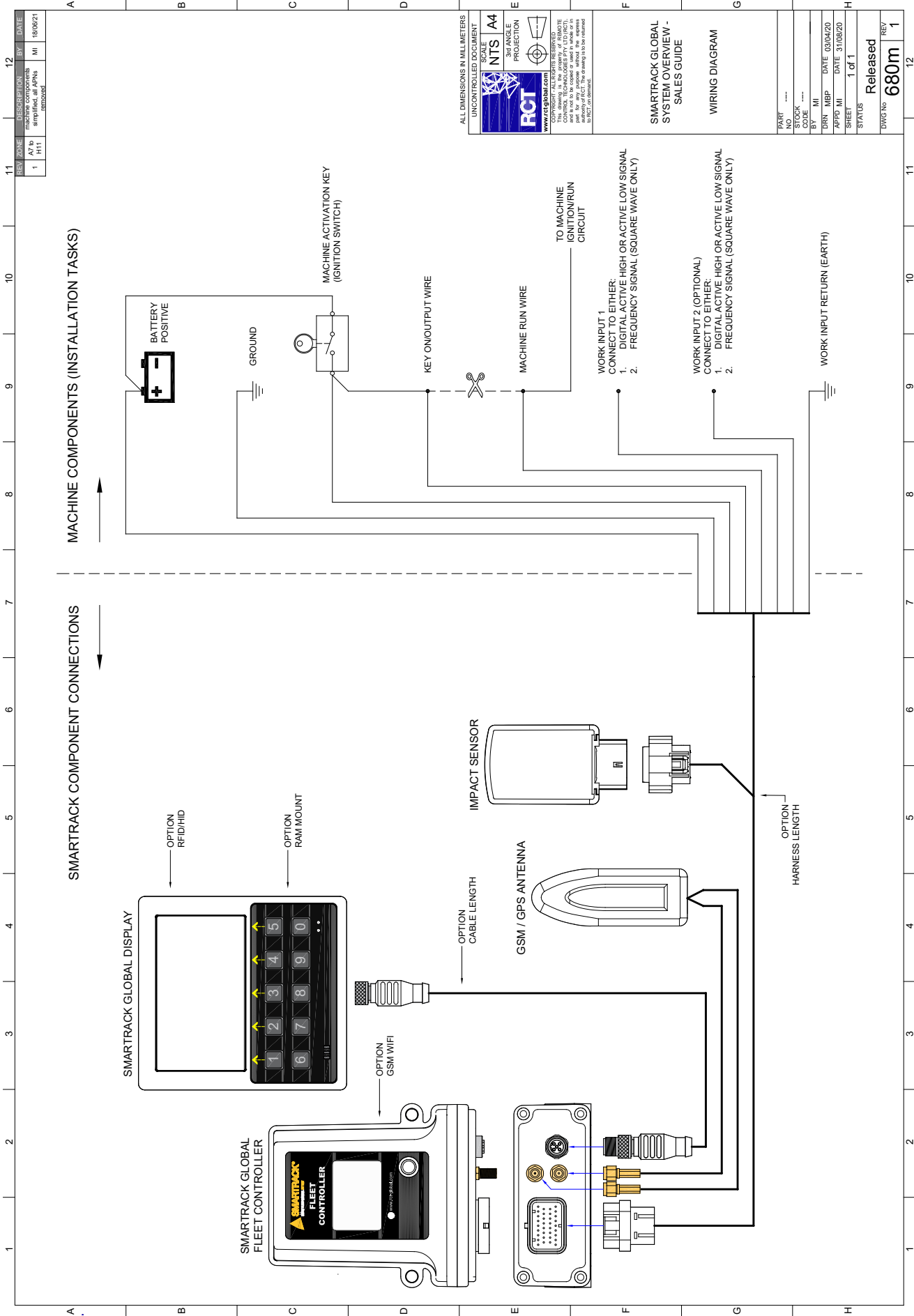
1	-	Base Kit
1	15799	Loom VDI-4458 SmarTrack® Global
1	15267	Cable SmarTrack® Display 5m

Please visit the coverage map on the RCT web site to confirm the coverage in your region;

rct-global.com/coverage

SUBSCRIPTIONS

Part No.	Description
12131	SUPPORT/ACCESS 1YR SMARTRACK (WEBSITE ACCESS AND SUPPORT FOR 1 YEAR)
12422	SUPPORT/ACCESS 2YR SMARTRACK (WEBSITE ACCESS AND SUPPORT FOR 2 YEARS)
12423	SUPPORT/ACCESS 3YR SMARTRACK (WEBSITE ACCESS AND SUPPORT FOR 3 YEARS)
12424	SUPPORT/ACCESS 4YR SMARTRACK (WEBSITE ACCESS AND SUPPORT FOR 4 YEARS)
12130	SUPPORT/ACCESS 5YR SMARTRACK (WEBSITE ACCESS AND SUPPORT FOR 5 YEARS)
12341	SUPPORT/ACCESS 6YR SMARTRACK (WEBSITE ACCESS AND SUPPORT FOR 6 YEARS)
12342	SUPPORT/ACCESS 7YR SMARTRACK (WEBSITE ACCESS AND SUPPORT FOR 7 YEARS)



ALL DIMENSIONS IN MILLIMETERS

UNCONTROLLED DOCUMENT

SCALE NTS A4

3rd ANGLE PROJECTION

RCT

www.rctglobal.com

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SMARTTRACK GLOBAL
SYSTEM OVERVIEW -
SALES GUIDE

WIRING DIAGRAM

PARF	---
NO	---
WORK	---
CODE	---
BY	MI
DRN	MBP
DATE	03/04/20
APPD	MI
DATE	31/09/20
SHEET	1 of 1
STATUS	Released
DWG No	680m
REV	1

DIAGRAM



Part No **11505**

SMARTRACK® GLOBAL FLEET CONTROLLER

MECHANICAL AND ENVIRONMENTAL

Dimensions:	Height: 138.5mm Width: 116mm Depth: 48.5mm
Weight:	300 g
Ambient Temperature:	-25 to +85° C
Humidity:	0 to 95% non-condensing relative humidity
Altitude:	-1000 to 3000 metres MASL
Shock Impact:	7 g, 1 ms non-repetitive
Vibration Rating:	0.5 g to 500 Hz
IP Rating:	IP65

POWER CONDITIONING

Operational Supply:	12 to 48 V
Maximum Input Voltage:	60 V
Maximum Current:	6 A
Quiescent Current:	5 mA

INPUTS

Input Channels:	8
Input Impedance:	100 K Ohms
DC Measurement:	24 V, 4 V switching threshold, 33 V max. (100 V protection Input 8)
AC Measurement:	0 to 10 V, 33 V max. (60 V protection on Input 7)
Frequency Measurement:	10 to 5000 Hz
Pull up and Pull down:	12 V, 5 mA max

OUTPUTS

Number of Output Channels:	8
Digital Output:	12 V, 400 mA max
Combined Output Current:	1 A max

COMMUNICATIONS

Type:	LTE
-------	-----

ANTENNA

Impedance:	50 Ohms
Cellular:	RP-SMA Female
GPS:	SMA Female, 3.3 V LNA



Part No **15847**

SMARTRACK® GLOBAL FLEET CONTROLLER WIFI

REGION

Europe and China

MECHANICAL AND ENVIRONMENTAL

Dimensions:	Height: 138.5mm Width: 116mm Depth: 48.5mm
Weight:	300 g
Ambient Temperature:	-25 to +85° C
Humidity:	0 to 95% non-condensing relative humidity
Altitude:	-1000 to 3000 metres MASL
Shock Impact:	7 g, 1 ms non-repetitive
Vibration Rating:	0.5 g to 500 Hz
IP Rating:	IP65

POWER CONDITIONING

Operational Supply:	12 to 48 V
Maximum Input Voltage:	60 V
Maximum Current:	6 A
Quiescent Current:	5 mA

INPUTS

Input Channels:	8
Input Impedance:	100 K Ohms
DC Measurement:	24 V, 4 V switching threshold, 33 V max. (100 V protection Input 8)
AC Measurement:	0 to 10 V, 33 V max. (60 V protection on Input 7)
Frequency Measurement:	10 to 5000 Hz
Pull up and Pull down:	12 V, 5 mA max

OUTPUTS

Number of Output Channels:	8
Digital Output:	12 V, 400 mA max
Combined Output Current:	1 A max

COMMUNICATIONS

Type:	WiFi Modem
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ANTENNA

Impedance:	50 Ohms
Cellular:	RP-SMA Female
GPS:	SMA Female, 3.3 V LNA



Part No **15913**

SMARTRACK® GLOBAL DISPLAY WITH RFID READER

MECHANICAL AND ENVIRONMENTAL

Dimensions:	Height: 131mm Width: 122mm Depth: 39.5mm
Weight:	380 g
Ambient Temperature:	-20 to +65° C
Humidity:	0 to 95% non-condensing relative humidity
Altitude:	-1000 to 3000 metres MASL
IP Rating:	IP65

POWER CONDITIONING

Operational Supply:	9.5 V
Maximum Power:	5 W

KEYPAD

Number of keys:	10x tactile dome
Durability:	100,000 Actuations

CARD READER

Frequency:	13.56 MHz
Compatibility:	SmarTrack® Programmed Operator Card

AUDIO

Type:	Single tone piezo electric
Frequency:	2800 Hz
SPL:	80 dB @ 30 cm

DISPLAY

Type:	Colour LCD TFT 109 mm
Resolution:	480 x 272 (WQVGA)
Brightness:	800 cd/m2 nominal
Viewing Angle:	55° top, 75° bottom, 75° left, 75° right

STATUS INDICATOR

Power:	Bi-Colour, Red / Green
Status:	Tri-Colour, Red / Green / Blue



Part No **15084**

SMARTRACK® GLOBAL DISPLAY WITH HID READER

MECHANICAL AND ENVIRONMENTAL

Dimensions:	Height: 131mm Width: 122mm Depth: 39.5mm
Weight:	380 g
Ambient Temperature:	-20 to +65° C
Humidity:	0 to 95% non-condensing relative humidity
Altitude:	-1000 to 3000 metres MASL
IP Rating:	IP65

POWER CONDITIONING

Operational Supply:	9.5 V
Maximum Power:	5 W

KEYPAD

Number of keys:	10x tactile dome
Durability:	100,000 Actuations

CARD READER

Frequency:	13.56MHz
Compatibility:	MIFARE® Classic, MIFARE DESFire® 0.6, MIFARE DESFire EV1, HID: iCLASS® Standard/SE/SR
Frequency:	125 KHz
Compatibility:	HID Prox, Indala Prox, EM4102, AWID Prox

AUDIO

Type:	Single tone piezo electric
Frequency:	2800 Hz
SPL:	80 dB @ 30 cm

DISPLAY

Type:	Colour LCD TFT 109 mm
Resolution:	480 x 272 (WQVGA)
Brightness:	800 cd/m2 nominal
Viewing Angle:	55° top, 75° bottom, 75° left, 75° right

STATUS INDICATOR

Power:	Bi-Colour, Red / Green
Status:	Tri-Colour, Red / Green / Blue

AMBIENT LIGHT SENSOR

Type:	LDR
Control:	Via software application

ACCESSORIES



Part No 15919

SMARTRACK® OPERATOR CARD



Part No 16094

SMARTRACK® OPERATOR WRISTBAND



Part No 16095

OPERATOR CARD LANYARD



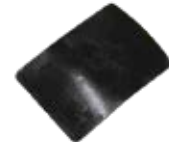
Part No 16096

OPERATOR CARD RETRACTABLE LANYARD



Part No 13855

SENSOR IMPACT SMARTRACK®



Part No 13739

ADHESIVE MOUNT TO SUIT 13855 IMPACT SENSOR



Part No 15917

KIT SMARTRACK GLOBAL WEIGHT



Part No 10284

DUAL ANTENNA GSM & GPS



Part No 15905

ANTENNA DUAL BAND WIFI & GPS



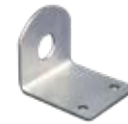
Part No 9029

RELAY



Part No 16098

HI-GAIN GROUND INDEPENDENT ANTENNA (SUITS BATTERY ELECTRIC MACHINES)



Part No 4723

ANTENNA MOUNT TO SUIT 15905, 16098



Part No 10472

FINGER WRENCH TO SUIT SMA CONNECTORS



Part No 15798

KIT BYPASS SWITCH



Part No 10977

LABEL BYPASS SMARTRACK®



Part No 6826

OPERATOR ACCESS CARD (HIDPROX) (HID ONLY)

SmarTrack® Global have a RAM mounting solution to suit most applications.

Check out the huge range of options.

RAM MOUNTS

 8795 RAM Base Kit to suit Maxi Vision 5" & 7" Monitors	 8464 RAM Double Socket Arm 1 3/4"	 8460 RAM Double socket Arm 3"	 8799 RAM Double Socket Arm 6"
 8494 RAM Base Double U-Bolt for Rails to 1.25" in Diameter	 8494 + 8464	 8494 + 8460	 8494 + 8799
 9292 RAM Base 3" Clamp	 9292 + 8464	 9292 + 8460	 9292 + 8799
 8455 RAM Base 1/4"-20 UNC Female Thread with Hex	 8455 + 8464	 8455 + 8460	 8455 + 8799
 8493 RAM Base 2" x 3" Universal Rectangular	 8493 + 8464	 8493 + 8460	 8493 + 8799
 8798 RAM Base 2" x 6" Universal Rectangular	 8798 + 8464	 8798 + 8460	 8798 + 8799
 8492 RAM Base 2.5" Diameter Round	 8492 + 8464	 8492 + 8460	 8492 + 8799
 15475 RAM Base Diamond	 15475 + 8464	 15475 + 8460	 15475 + 8799

HARNESSES



Part No **11265**

**LOOM UNIVERSAL SMARTRACK®
GLOBAL STANDARD**



Part No **11266**

**LOOM UNIVERSAL SMARTRACK®
GLOBAL SHORT**



Part No **15799**

LOOM VDI-4458 SMARTRACK GLOBAL



Part No **15315**

**CABLE DISPLAY SMARTRACK®
GLOBAL 1.5M**



Part No **15266**

**CABLE DISPLAY SMARTRACK®
GLOBAL 3.0M**



Part No **15267**

**CABLE DISPLAY SMARTRACK®
GLOBAL 5.0M**



Part No **15314**

**CABLE DISPLAY SMARTRACK®
GLOBAL 0.6M**



Discover more:

rct-global.com

smartracksales@rct-global.com

