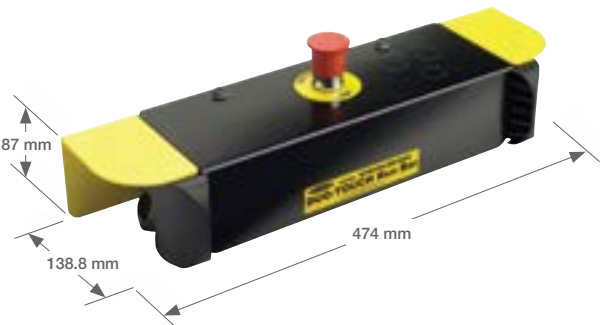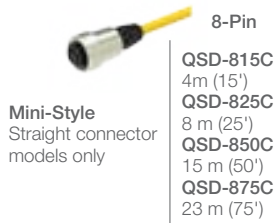# DUO-TOUCH® Run Bar with STBs

Two-Hand Control

• Provide a convenient and economical means for safeguarding when interfaced with DUO-TOUCH® Two-Hand Control Modules or comparable control systems

• Minimizes risk of defeat and accidental machine actuation

• Offers ergonomic design for reduced hand, wrist and arm stress

• Constructed of robust, 13-gauge cold-rolled steel

• Provides knockouts for wiring flexibility and installation of accessories such as EZ-LIGHT™ indicators

• Meets ANSI B11.19 and ISO 13851 (EN 574) standards when monitored by Type IIIC Two-Hand Control logic device (e.g., AT series Two-Hand Control modules, see page 680)

DUO-TOUCH® Run Bars with STB Self-Checking Touch Buttons

Connection	STB Touch Buttons Model	STB Touch Buttons Output	Environmental Rating	E-Stop Button	Models*
Terminal Strip 8-pin Mini QD**	STBVP6	Solid-State Complementary PNP	IP20	Not included Not included	STBVP6-RB1 STBVP6-RB1Q8
Terminal Strip	STBVP6	Solid-State Complementary PNP	IP20	Model SSA-EBM-02L E-stop button (two NC safety contacts)	STBVP6-RB1E02
Terminal Strip 8-pin Mini QD**	STBVP6	Solid-State Complementary PNP	IP65	Not included Not included	STBVP6-RB2 STBVP6-RB2Q8
Terminal Strip	STBVP6	Solid-State Complementary PNP	IP65	Model **SSA-EBM-02L** E-stop button (two NC safety contacts)	STBVP6-RB2E02

* DUO-TOUCH Run Bar kits available with two-hand control module. Contact factory for combinations.
** Order QDS-8..C cordsets separately.

87 mm
138.8 mm
474 mm

8-Pin

Mini-Style
Straight connector
models only

QSD-815C
4m (15')
QSD-825C
8 m (25')
QSD-850C
15 m (50')
QSD-875C
23 m (75')

Additional cordset information is available.
See page 758

STBA-RB1-MB1* **STBA-RB1-MB2*** **STBA-RB1-MB3***

* When used with **STBVP6-RB2** models change **..-RB1-..** to **..-RB2-..**

Additional bracket information is available.
See page 753

Telescoping Stands

STBA-RB1-S1   **STBA-RB1-S2**

* When used with **STBVP6-RB2** models change **..-RB1-..** to **..-RB2-..**
NOTE: DUO-TOUCH SG Run Bars are sold separately.

Run Bar Indicators

T30GRYB11P   **K50LGRYB11P**

DUO-TOUCH® Run Bars with STB Self-Checking Touch Buttons

Supply Voltage and Current	10 to 30 V dc @ 75 mA (each button) Power consumption: approx. 1.8W @ 24 V dc (with no output load), for each STB
Supply Protection Circuitry	Protected against transient voltages and reverse polarity
Output Configuration	Complementary PNP (sourcing) open-collector transistors
Output Rating	**Maximum load:** 150 mA **ON-state saturation voltage:** +V(supply)-1.5V **OFF-state leakage current:** < 1 µA
Output Protection Circuitry	Protected against false pulse on power-up; overload and short-circuit protection.
Output Response Time	20 milliseconds ON/OFF
STB Indicators	**2 green LEDs:** 　　**Power:** ON–power applied 　　**Output/fault:** ON–button is activated 　　　　OFF–button is deactivated 　　　　Flashing internal fault or blocked button on power-up detected
Construction	**STB Buttons:** Totally encapsulated, non-metallic enclosure; black polyetherimide yoke housing; fiber-reinforced polyester base; 　　electronics fully epoxy-encapsulated. **E-Stop Button:** Polyamide red button with metal base. **Run Bar Housing:** 13 ga. cold rolled steel with powder coat paint; polypropylene copolymer STB mount.
Environmental Rating	STBVP6-RB1 Run Bar models meet IP20 STBVP6-RB2 Run Bar models meet IP65
Connections	**Models STBVP6-RB1/RB2 and -RB1E02/RB2E02:** Terminal strip connections inside run bar housing (STBs are pre-wired). 　　　　E-stop button and EZ-LIGHT indicator (if used) are wired separately. **Models STBVP6-RB1Q8/RB2Q8:** 8-pin Mini-style quick-disconnect fitting. Accessory QD mating cordsets required for QD models. 　　　　QD cordsets are ordered separately.
Ambient Light Immunity	Up to 100,000 lux
EMI/RFI Immunity	Immune to EMI and RFI noise sources, per IEC 60947-5-2
Operating Conditions	**Temperature:** 0° to +50 °C **Relative humidity:** 90% @ +50 °C (non-condensing)
Certification	STB Buttons: $C\epsilon$ $_c$(UL)$_{us}$ **LISTED**

STBA-RB1-MB1 (All measurements in mm)
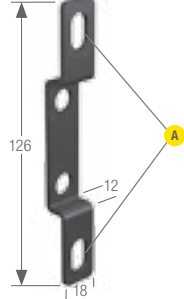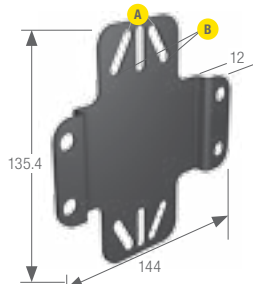
Hole center spacing:
A = 106
Hole size:
A = 9 x 15

- Pair of wall-mount brackets; run bar "hangs" on vertical surface
- Slotted holes for vertical adjustment
- 12-ga. cold-rolled steel with black powdercoat paint

Used with:
DUO-TOUCH Run Bar

USMB-1 (All measurements in mm)

Hole center spacing:
A = 20, **A** to **B** = 10
Hole size:
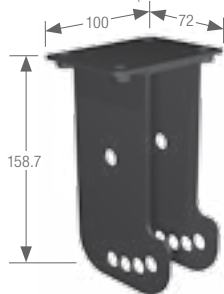**A** = ø 4.8, **B** = 12.7 x 7, **C** = ø 15.2

- Two-bracket replacement kit for brackets that come with emitter/receiver
- 13-ga. cold-rolled steel with black corrosion-resistant zinc chromate finish
- Bracket hardware included

Used with:
EZ-SCREEN Type 2

STBA-RB1-MB2 (All measurements in mm)

Hole center spacing:
A = 20, **B** = 40, **A** to **B** = 20
Hole size:
A, **B** = 27 x 7

- Universal-mount bracket; allows run bar to mount to vertical stand or surface
- Slotted holes for adjustment
- 12-ga. cold-rolled steel with black powdercoat paint

Used with:
DUO-TOUCH Run Bar

USMB-6 (All measurements in mm)

Hole center spacing:
A = 52.1, **A** to **B** = 26, **C** = 30.6
Hole size:
A, **B** = 25.4 x 7.1,
C = 15.5 x 7, **D** = ø 15.2

- Two-bracket universal-mounting surface kit
- 13-ga. cold-rolled steel with black corrosion-resistant zinc chromate finish
- Bracket hardware included

Used with:
EZ-SCREEN Type 2

STBA-RB1-MB3 (All measurements in mm)

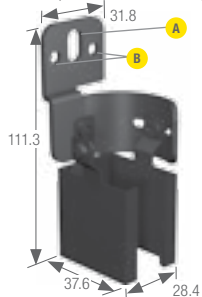Hole center spacing:
NA
Hole size:
NA

- Swivel-mount bracket; mounts to telescoping stand
- Holes for radial adjustment, 0° to 30° in 10° increments
- 12-ga. cold-rolled steel with black powdercoat paint

Used with:
DUO-TOUCH Run Bar

NOTE:
 Included with telescoping stands STBA-RB1-S1 and STBA-RB1-S2

USMB-8 (All measurements in mm)

Hole center spacing:
A = 22.7
Hole size:
A = 15 x 3.5, **B** = ø 14.8

- Two-bracket kit for one emitter/receiver
- Mounting plate for 90° sensor direction
- Black anodized aluminum

Used with:
EZ-SCREEN Type 2

USCMB-.. (All measurements in mm)

Hole center spacing:
B = 19.9, **A** to **B** = 10
Hole size:
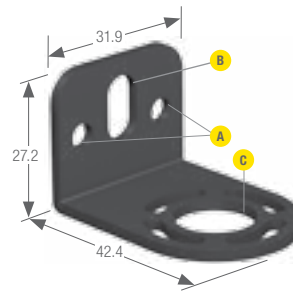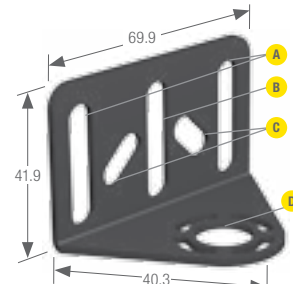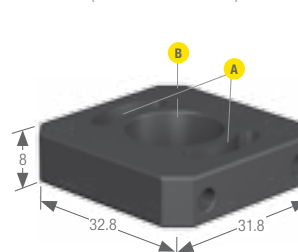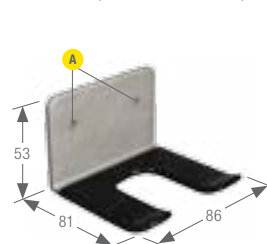**A** = 12.2 x 7.1, **B** = ø 4.8

- Two-piece center mounting replacement kit for bracket that comes with emitter/receiver
- 13-ga. cold-rolled steel with black power coat paint
- Bracket hardware included

Used with:
EZ-SCREEN Type 2

NOTE:
USCMB-1 fits emitters/receivers 600 to 900 mm long USCMB-2 fits emitters/receivers 1050 mm and longer.

ED9Z-GH1 (All measurements in mm)

Hole center spacing:
A = 50
Hole size:
A = ø 5.3

- Right-angle bracket for mounting switch to upright surface
- Stainless steel

Used with:
ED1G Enabling Devices