

Safe-E-Stop™



STOP ANYTHING. ANYTIME. ANYWHERE.

HIGHLIGHTS

- Effective way to retrofit existing infrastructure
- Convenient, hip-carried unit
- Split second response
- No searching for hard-wired E-stop
- Multiple people may observe processes
- Simple programming via Bluetooth® configuration interface

FEATURES

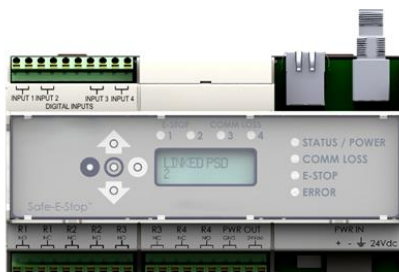
- More than a 100 m operating range
- Long battery life, rapid charge
- Up to five PSDs can be linked to the MSD (patent pending for link/de-link process)
- Easy interfaces to most machines
- Rugged housing for reliable use in tough environments, different colors available
- RJ45 ethernet port for diagnostics (EtherNet/IP or PROFINET)
- Available in Red, Yellow, Blue, Green and Black

APPLICATIONS

- Can be used to supplement any hard-wired E-Stop system
- Processing and machining
 - Risk reduction management
 - Flexible manufacturing
 - Robot cells
 - Cranes & conveyor systems
 - High speed production lines
 - Distribution centers
 - Water treatment plants

COMPLIANCE

- CE / RED
- IEC 61508 SC 3 E-Stop function, TÜV NORD certified
- IEC 61508 SIL 3 Comm loss function, TÜV NORD certified
- ISO 13850
- UL508 / CSA22.2 #14 Electrical Safety recognized Intertek
- Licensed as well as unlicensed frequency options available





TECHNICAL DATA AND SPECIFICATIONS

ELECTRONIC DATA

Functions	E-Stop, Link (activate), Unlink (deactivate) and two-step permissive functions
Digital Circuitry	Dual-processor self-monitoring safety technology
Response Time e-Stop	320 mS typical
Communications	Black Channel secured
MSD Supply Voltage	24 VDC (18–36 VDC), 1 A max. Optional: 85–264 VAC, 47–63 Hz, 1 A
PSD Battery	Rechargeable Li-ion battery >14 h at 20° C 3 hour re-charge
Relay Outputs	150 VAC/VDC, 10 mA minimum to 6 A maximum resistive load, overvoltage category II according to IEC 60364
Ethernet Port (not safetyrated)	Two-step permissive function and full diagnostic data, available as Ethernet/IP or PROFINET
EMC	- EN 301 489-3 V2.1.1 - EN 55032: Class A - EN 61000-4-2: Level II - EN 61000-4-3: 30 V/m PSD additionally - EN 61000-4-5:2006 - EN 61000-4-4: Level III

RF

Frequency Range & Power	433-434 MHz @ 5 mW 450-470 MHz @ 10 mW 902-928 MHz @ 1 mW
Antenna	PSD: Internal, MSD: External

CONTROL ELEMENTS

E-Stop Switch	Dual force guided contacts
Control	1 dual-step permissive, 1 request to link

MECHANICAL DATA

Weight approx..	PSD	MSD
	200 g 8 oz.	445 g 15.7 oz.
Dimensions L x W x H	138 x 65 x 54 mm (5.4 x 2.6 x 2.1 in)	162 x 109 x 61 mm (6.4 x 4.3 x 2.4 in)
	High-impact polymer and rubber bumper	Polymer IP30* additional NEMA4x enclosure optionally available
Housing	IP67 (outdoor use)	
Operating Temperature	-20° to 60° C (-4° to 140° F)	-20° to 60° C (-4° to 140° F)
	Charging Temperature	0° to 40° C (32° to 104° F)
Shock	IEC 60068-2-27	IEC 60068-2-27
Vibration	IEC 60068-2-6	IEC 60068-2-6 IEC 60068-2-64
Free Fall	IEC 60068-2-31	
Humidity		RH 10-95 % non-condensing Class 2
Altitude		<2000 m
Environment	Pollution degree 3	Pollution degree 2

INDICATION

LEDs	4 operational status	4 operational status, 4 safety relay status
LCD	Status reporting	Status reporting
Haptic alerts	Low battery, low RF signal, comm-loss, E-Stop activated	

ACCESSORIES

Mounting	PSD: Ergonomic belt clip MSD: DIN rail mount ready
Battery Charger	Processor controlled 3 hour fast charger; 1 and 6 bay versions available

North America: +1.234.806.0018 | Sales.US@Cattron.com
 Europe: +49.2151.4795.0 | Sales.EU@Cattron.com
 UK: +44.1932.238121 | Sales.UK@Cattron.com
 South America: +55.19.3518.7030 | Sales.BR@Cattron.com
 Asia: Sales.CN@Cattron.com

cattron.com

9A06-8681-A001-EN

Any information furnished by Cattron™ and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Cattron products rests with the end user since Cattron and its agents cannot be aware of all potential uses. Cattron makes no warranties as to non-infringement nor as to the fitness, merchantability, or sustainability of any Cattron products for any specific or general uses. Cattron Holdings, Inc., or any of its affiliates or agents shall not be liable for incidental or consequential damages of any kind. All Cattron products are sold pursuant to the Terms and Conditions of Sale, a copy of which will be furnished upon request. When used as a trademark herein, Cattron means Cattron Holdings, Inc. or one or more subsidiaries of Cattron Holdings, Inc. Cattron™, corresponding logos, and other marks are trademarks or registered trademarks of Cattron Holdings, Inc. Other marks may be the property of third parties. Nothing herein provides a license under any Cattron or any third party intellectual property right.

