



# Container Security Transponder EV3-CST

In addition to the more conventional transponder capabilities, this container security transponder includes the additional sensory functions of temperature, humidity, light and breach. Coupled with its innovative mounting capability onto shipping container, a highly secured shipping network can be established with low additional overhead costs.

This device operates in a master/slave configuration with an interrogator. In all cases, the interrogator acts as the master unit initiating commands from the transponder. Once, the device has been successfully woken up, it will respond to data transmission from the interrogator by sending packets of data.

This device complies with part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions: (1) this device must not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### OPERATION OF THE TRANSPONDER

1. Remove the battery cap by turning counter-clockwise;
2. Insert battery to the battery compartment with positive terminal toward inside;
3. Replace the battery cap and secure it by turning clockwise;
4. The transponder will beep once when it is powered up.
5. Now the transponder is ready to be deployed.

### MOUNTING OF THE TRANSPONDER

1. Securely attach the transponder to shipping container;
2. Set the door latch switch to "Normal" position and close the container;



### SPECIFICATIONS

RFID Protocol	ISO 18000-7:2008
Frequency	433.92MHz
Power	A' Size 3.6V primary lithium (Li-SOCl2), user replaceable
Battery Life	>4.5 years at 2 collections per day
Range	350 feet unobstructed
Dimensions	7.7"L x 7.75"W x 3.96"H
Weight	19.2 oz (544.3 g)
Operating Temperature	-30°C to +70°C
Dust / Moist	IP 64
Beeper	Audible beeper for tag location and status indication
Memory	512 Kbytes
Compliance	FCC, HERO