

**TBX CBS010
Expansion Interface**

1.1 DESCRIPTION

The CBS010 Expansion Interface provides the means to connect a secondary TBX base unit at the remote drop of a PASSPORT™ I/O System or FIPIO fieldbus. A second unit at a drop provides up to 16 additional I/O points.

The form factor for a remote TBX drop is a block that is split length-wise. The bottom half of the block, the TBX base unit, houses the I/O power electronics and serves as the mounting base (see Figure 1). When the base is installed as a secondary unit, the top half of the block is the CBS010 expansion interface. The CBS010 is physically mounted to the base unit.

Within the PASSPORT I/O system, a cable is connected between the CBS010 interface and a SY/MAX® Class 8030 Type CRM270 or Type CRM275 Distributed Remote IO/NET™ (DRIO) interface. This interface enables communication with a SY/MAX processor on the IO/NET communications link. In applications using modular Telemecanique programmable controllers and the FIPIO fieldbus, the CBS010 cable connection is to a TBX LEPxxx communication module.

1.2 SPECIFICATIONS

Environmental and Physical

Operating temperature rating.....	0 to 60°C (32 to 140°F)
Storage temperature rating	-40 to 80°C (-40 to 176°F)
Humidity.....	5-95% RH, non-condensing
Dimensions (W x H x D).....	2.6 x 8.3 x 1.4 in (66 x 210 x 36 mm)
Weight	4.0 oz. (113 g)

1.3 EXPANSION INTERFACE MOUNTING

The expansion unit is installed on top of a TBX base unit using the same mounting procedure used for the Type CRM270/275 or TBXLEPxxx interfaces. The cable end attaches to a connector receptacle located on the interfaces. The receptacle is located beneath a hinged snap-lock connector cover on the right hand side of the interface.

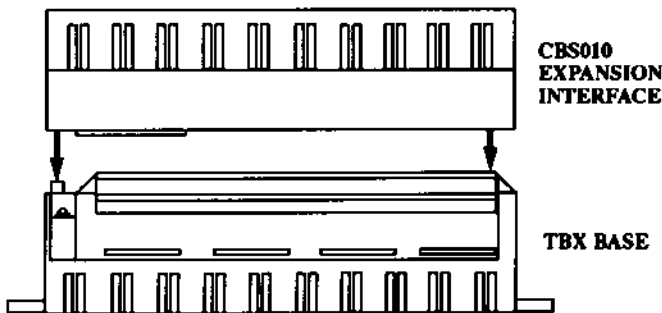


Figure 1 - Mounting CBS010 Expansion Interface on TBX Base Unit

The base unit is attached electrically to the CBS010 interface using a multi-pin connector. Four base attachment screws are used for mechanical connections. After aligning the electrical connectors, the four corner interface-to-base mounting screws should be secured (6-9 in-lbs) to complete an assembled unit.

For TBX base unit mounting dimensions refer to the specific instruction bulletin for the unit being installed, or the Type CRM270 DRIO (Instruction Bulletin 30598-816), Type CRM275 DRIO (Instruction Bulletin 30598-380) or TBXLEPxxx (Instruction Manual REF. TSX DM TBX T V5E).

Ensure that the CBS010 cable connector is aligned with the Type CRM270/275 or TBXLEPxxx interface connector pins before seating the cable connector. To close the snap-lock cover after installation of the connector, remove the plastic tab at the top of the cover as illustrated in Figure 2.

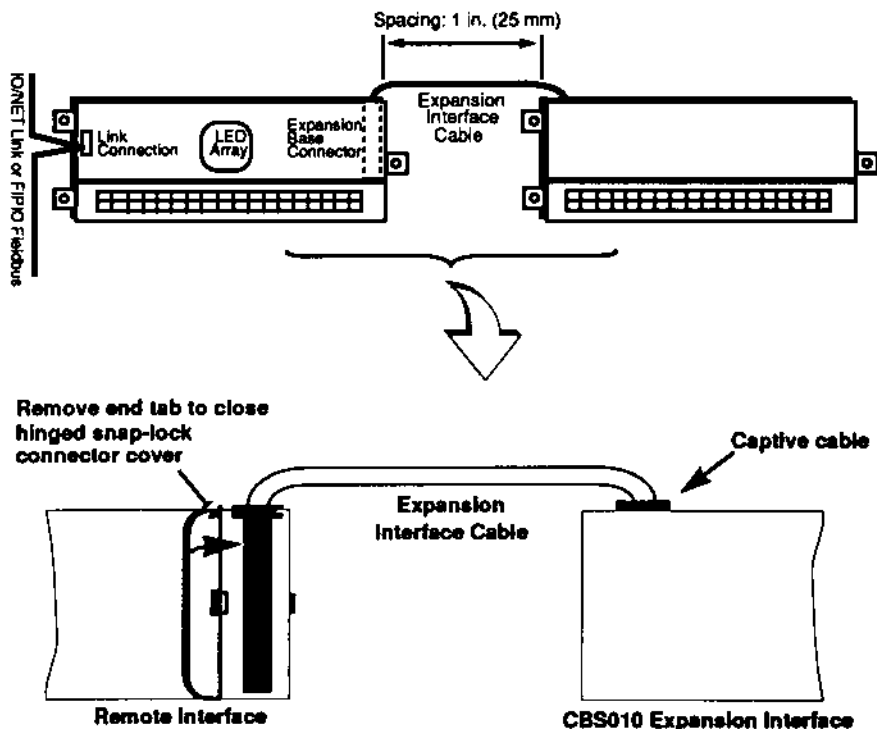


Figure 2 - Installing the CBS010 Expansion Interface Cable with Type CRM270/275 or TBXLEPxxx Interfaces