

100-517 EtherStop Splitter Specifications

Product Overview

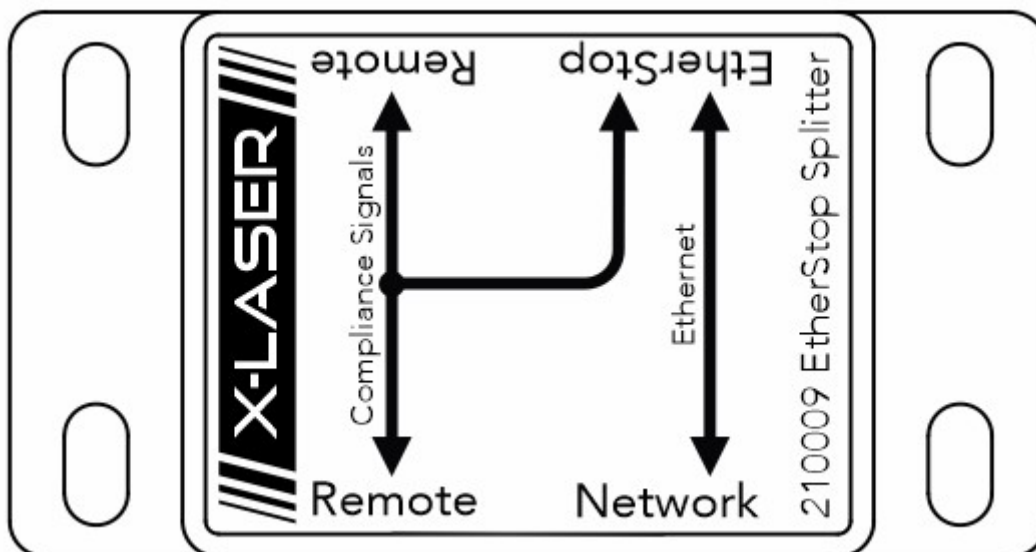
The 100-517 EtherStop Splitter allows for increased flexibility when wiring EtherStop systems, especially in combination with non-EtherStop network equipment. The splitter allows Ethernet signalling to be split or combined with EtherStop compliance signalling, allowing compliance and network signals to be routed to or from separate equipment.

The Splitter provides one EtherStop Thru port, two Remote Thru ports, and one Network port. Network signals are passed directly between the Network port and EtherStop port. Compliance signals are passed directly between the EtherStop port and the two Remote ports. None of the ports are directional, the Remote and EtherStop ports may each serve as an input or output. Exactly one of the EtherStop/Remote ports should be connected to an EtherStop Output. The other two ports may be used to convey compliance signals to other EtherStop Inputs.

Note: Network and EtherStop ports on the splitter do NOT contain active network interfaces, and are strictly cable adapters. Total cable length from an active network device on the EtherStop port to an active network device connected to the network port must not exceed the 100m limit defined by IEEE/EIA standards

Form Factor

The 100-517 EtherStop Splitter is designed for easy mounting via four threaded holes or the included mounting plate. See the attached mechanical drawing for details. The mounting holes in the included plate match standard rackmount hole spacing.



The splitter provides four Neutrik EtherCON connectors, which will accept standard 8P8C modular plugs or Neutrik EtherCON cable connectors.

Usage

The two primary use cases for the splitter are to combine separate compliance and network connections into one EtherStop connection, or to split an EtherStop connection into separate compliance and network connections.

Splitting

In this case, the EtherStop port on the splitter must be connected to an EtherStop Output. The splitter may be connected to that output directly or via other EtherStop equipment having EtherStop Thru connectors. The Network port can then be connected to standard Ethernet equipment which can then communicate with the upstream EtherStop device without interfering with the compliance signalling on the EtherStop link. The two Remote connectors can be used to relay compliance signals to EtherStop equipment or can be left unused.

Combining

In this case, the EtherStop port on the splitter must be connected to an EtherStop In or Thru port. One of the Remote ports must be connected to an EtherStop or Remote Output port. Compliance signals received from the upstream EtherStop system will be conveyed to the downstream EtherStop device alongside network signals to/from a standard Ethernet device connected to the Network port.