Fibre-Optic Emergency Control Unit

Custom engineered control equipment

STE-EC-FOECU-001

PRODUCT DATASHEET

Electrical Control & Automation | Emergency Control & Signalling

Management Systems & Reference Standards

SPRINT TECHNOLOGY LLC	SPRINT TECHNOLOGY LLC	SPRINT TECHNOLOGY LLC	PRODUCT STANDARD	PRODUCT STANDARD
ISO 9001:2015	**ISO 14001:2015**	**ISO 45001:2018**	**IEC 60947-5-1**	**IEC 60529**
Quality management system	Environmental management system	Occupational health & safety management system	Control circuit devices	Enclosure IP classification

ISO: Sprint Technology LLC management systems only. IEC: component/enclosure references; no product certification implied.



Product illustration. Configuration varies.

Product characteristics

Construction	Custom engineered unit
Application	Emergency control / release
Control medium	Fibre-optic interface
Access	Lockable enclosure door
Operator control	Release button
Control design	Application-configured
Optical interface	To approved system design
Fibre / connectors	Matched to optical link
Auxiliary supply	To approved component design
Control inputs / outputs	Matched to receiving equipment
Operating sequence	To approved function
Reset / supervision	As functionally specified
Enclosure / mounting	Suited to installation conditions
System interfaces	To approved interface design
Technical ratings	Per approved configuration

Product overview

Custom engineered fibre-optic emergency control unit with a lockable access door and release button. Optical and control interfaces are configured for the agreed application. The operating sequence, power supply, enclosure arrangement and connected equipment interfaces are defined during application engineering.

Application configuration

- Optical link type, topology and operating distance.
- Release action, reset sequence and supervision.
- Input/output functions and terminal arrangement.
- Performance and safety requirements for the application.
- Compatible transmitter, receiver and control chain.
- Power supply and receiving equipment interface.
- Enclosure material, protection and mounting.
- Optical fibre, connectors and installation scope.

Engineering & verification

- Functional design aligned with approved requirements.
- Function checks against the approved test plan.
- Interface compatibility and wiring review.
- Factory and site test records as agreed.

Documentation available within the agreed scope

- Technical data schedule and bill of materials.
- Functional diagram and wiring/terminal plans.
- General arrangement and installation instructions.
- Applicable component compliance documents.
- Factory test records for the approved design.
- Commissioning instructions and handover records.

Final configuration is defined by the approved functional specification.