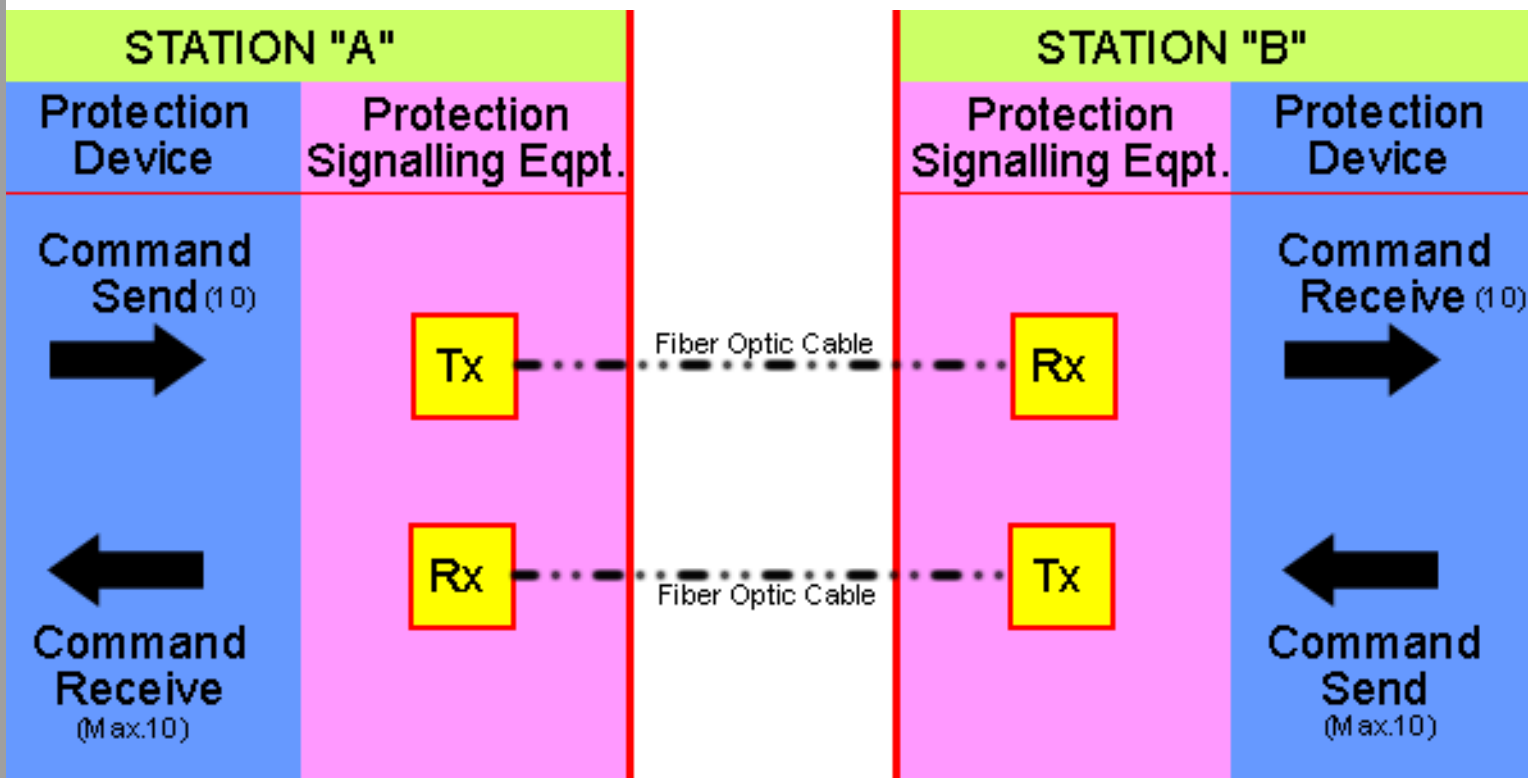


PROTECTION SIGNALLING EQUIPMENT - OHL, CABLE or TRAF0



For Info only !



Product Description :

The STT-10PS is designed to achieve fast clearance and correct discrimination for faults anywhere within OHL or Cable or Transformer which is protected with a concept of Unit Protection. The communication media used is Fiber Optic Cables without Voice and Tele-command and exclusively for Protection Signalling Commands for effective use.

- Max. 10 Protection Signalling Commands can be send/receive
- Useful for Direct Transfer, Permissive or Blocking schemes of Distance Protections
- Useful for Inter-tripping of Transformer which is located far away with / without HV breaker
- Most useful for 33kV and above OHL which were partly protected by use of zone-1 extension schemes.
- Small size, cost effective device leverages for Full Protection of OHL by increasing the Power network capability.
- This reliable, dependable and secured device solves the many problems of MV distribution systems. Also, useful for Transmission of Station Alarm to Main Control Center.

Features & Benefits :

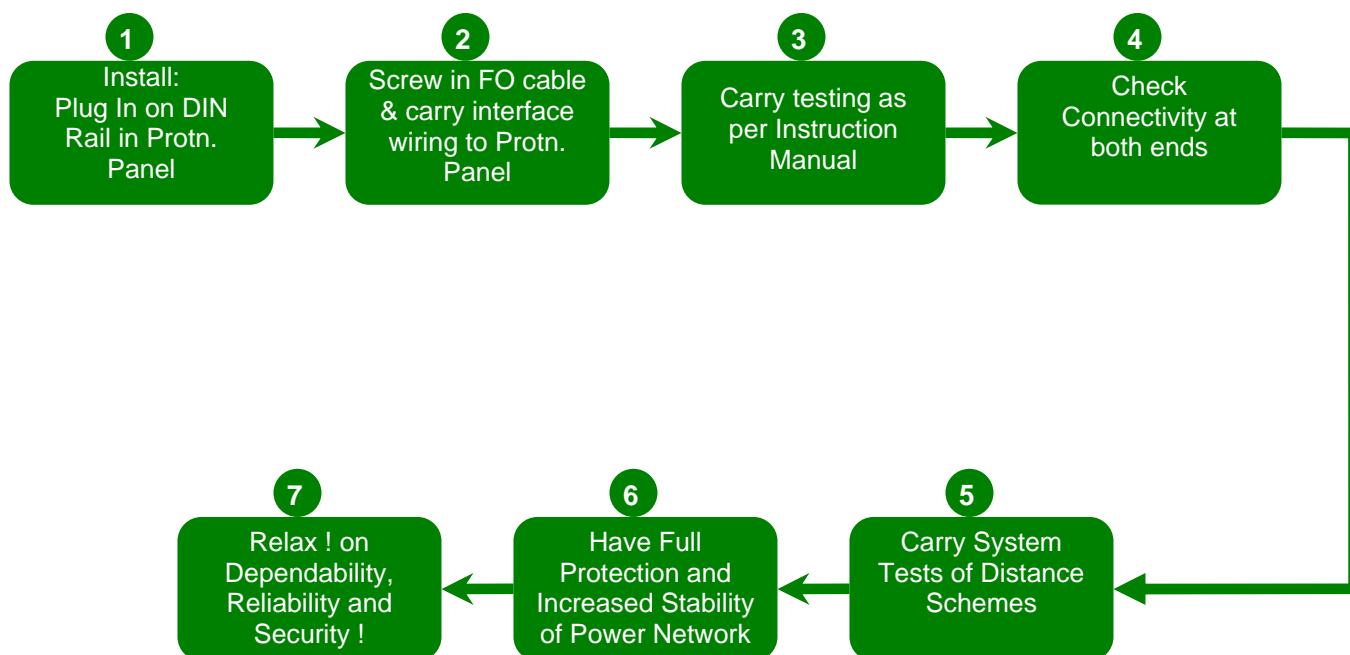
- Fast operating time (approx. 6mSec mean value)
- Max. 10 commands can be transmitted and max. 10 commands can be received.
- One command can be used for transmission of Station Alarm to Main Control Center
- Useful for all types of Protection schemes.
- Reliability, Dependability and security is guaranteed. It comes with DC1 and DC2 input supply.
- Easy Installation and commissioning.
- System Testing & Commissioning is only required.
- Fast operating time ensures solutions to many distribution system stability problems and damage problems.
- No maintenance of this device.
- Provides an alarm for loss of Fiber Optic Signal or Failure of FO cable
- Continuous monitoring of Optical signal.
- Robust device with proven approvals from all International standards for FO communication systems (Refer Spec)
- Be Relax by use of low cost device with High-Tech capability.

What It Comes With :

- STT -10PS device at each station
- Fiber Optic cables are excluded
- Installation of Fiber Cables upto this device by client
- Device mounting accessories for DIN Rail
- Instruction Manual
- 2 year warranty

Specifications :

| | |
|------------------------------------------|---------------------------------------------------------|
| Main Supply | 100-125Vdc (Dual supply is optional) |
| Command supply voltage | 100-125Vdc |
| Electrical Isolation for safety | 2500V (Optical) |
| No. of commands | 10 for Send and 10 for Receive (all are independent) |
| Transmission Times | 6 – 12msec |
| Operating Wavelength | 1270 – 1380 nm |
| Max. Fiber Optic Cable Length | Upto 2km and upto 30km (Refer model options) |
| EMI requirements | FCC (US); CENELEC (Europe); VCCI (Japan) |
| Electrostatic Discharge (ESD) | IEC 801-2 (Typically withstands to 25kV without damage) |
| Full compliance with Optical Performance | FDDI LCF-PMD standard; IEEE 802.3u; ATM Physical layer |
| FDDI PMD standard | ISO/IEC-9314-3:1990; ANSI X3.166-1990 |
| Ambient Temperature | 0° - 100° C (Or according to ICE 60834-1) |
| Humidity | 0 – 80% |

Operational Sequence**“Low Cost / Small size Protection Signalling Equipment improved Protection and Network capability of MV Distribution System”****Contact Us**

**This describes few features & capabilities only of what the STT-10PS has to offer.
Enquire to find out more today !**

Options :

| Systems | STT-10PS | STT-10PS+ |
|-----------------------------------------|-----------------|------------------|
| Single Input Supply + FO cable upto 2km | ✓ | x |
| Dual Input Supply + FO cable upto 30km | x | ✓ |

Note :

We reserve the rights to make any kind of design, specifications or functional modifications at any moment without prior notice.