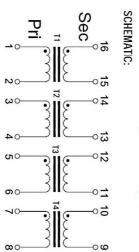
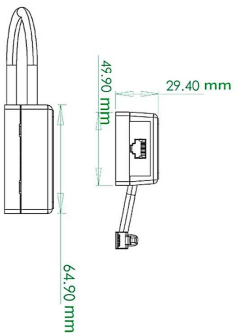
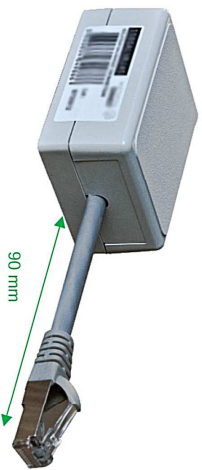


## Network Galvanic Isolator

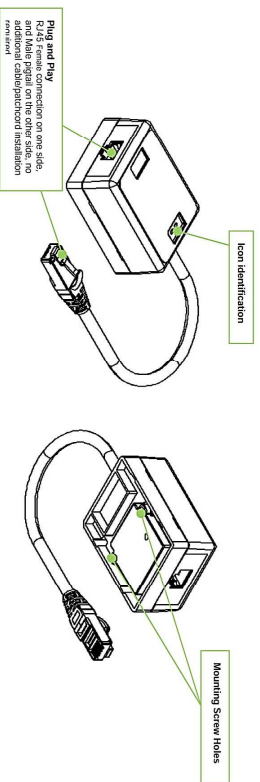


## Descriptions

- Working differential current protection between network equipments
- Transparent in network connection, do not effect network operation
- Network performance: IEEE 803.2 10/100/1000-BaseT
- Compliant with EN 60601 (Medical electrical equipment safety standard)
- Plug and Play, no additional cable, patchcord, or installation required
- Professional finishing with male-to-female adaptor connection
- Equipped with identification icons
- Integrated screw mounting holes
- Flame retardant housing
- Low loss isolation transformer

### Installation Precautions!

- Turn OFF the equipment BEFORE installation, to avoid electric shock
- DO NOT connect POE device to the network galvanic isolator
- Wire-Map error expected when test with Field Testers, this is normal with the isolation transformer
- Insertion loss (attenuation) High at low frequencies due to nature of isolation transformer



## Test report

Items	Requirements	Primary				Second			
		Twisted 1	Twisted 2	Twisted 3	Twisted 4	Twisted 1	Twisted 2	Twisted 3	Twisted 4
Test 1: Primary winding Open Circuit Inductance (Pri OCL) Unit of measure: uH	500uH M1 N:600uH TYP 100KHZ/0.2V	569	854	568	799	816	744	862	660
Test 2: Primary Leakage Inductance (Pri LL) Unit of measure: uH	0.25uHMAX 100KHZ/0.2V	0.15	0.12	0.15	0.13	0.14	0.13	0.12	0.13
Test 3: Interwinding Capacitance (CWW) Unit of measure: pF	25pFMAX 100KHZ/0.2V	10.2	10.3	9.8	9.4	9.4	10.1	9.8	9.6
Test 4: Primary Direct Current Resistance (Pri DCR) Unit of measure: Ohm	0.5 Oh MAX	0.36	0.37	0.35	0.34	0.32	0.35	0.34	0.33
Test 5: High Voltage test for Isolation strength (Hipod) Unit of measure: Volt	4000Vrms/0.5m A/2Sec	OK	OK	OK	OK	OK	OK	OK	OK
TURNNS RATIO	Pri:Sec =1:1.45%	OK	OK	OK	OK	OK	OK	OK	OK

## Electrical Properties

Voltage Withstand between the network connectors: 4000 Volts  
Return Loss of isolation component: <6db @ 100 MHz

## Standards / performances

Operating Temperature: 0~60°C  
Operating Humidity: 10~90% (non-condensing)  
Network Performance: IEEE 803.2 10/100/1000-BaseT  
Pin Assignment: T568B  
Transmission Length: 90m

**TTL NETWORK GMBH**  
**Item: 1502-0,15M**