



1971-2011 40 years
the power to control

Overview LON transmission modules

General data: Creepage distances: Unitro-Standard
Degree of protection: IP20
Climatic conditions: Unitro-Standard
EMC-values: Unitro-Standard



Type Function	MVE Router	MVL Router	MVL phases coupler	MVE Repeater	TCP/IP (GSM)	MPCC1
	FTT10A on: FTT10A / PLT22 / RS485 / fiber optic	FTT10A on: FTT10A	capacitive coupling on 3 phases	3x FTT10A active signal amplifier	RemoteManager for FTT or PLT networks (TCP/IP LON-Router)	LON TCP/IP Interface + Multi Port Condition Controller
Dimensions in mm	150x75x45 (60)	160x90x58	106x90x58	110x100x60	157x90x66	157x86x58
Weight approx.	300g	300g	150g	500g	300g	400g
Housing form	for sub-distribution cabinet mounting	for sub-distribution cabinet mounting	for sub-distribution cabinet mounting	metal snap-on housing	for sub-distribution cabinet mounting	for sub-distribution cabinet mounting
Connection terminals	Screw-type terminals/ plug connection 2,5mm ²	Screw-type terminals/ plug connection 2,5mm ²	Screw-type terminals 4mm ²	Screw-type terminals/ plug connection 2,5mm ²	Screw-type terminals/ plug connection 2,5mm ²	Screw-type terminals/ plug connection 2,5mm ²
Power supply	24V AC/DC 100mA ± 10%	18-50VAC/19-72VDC or 85-265VAC/85-250VDC, 100mA		230V AC, 5VA ± 10%	24V DC, ± 10% 120V to 230V AC± 10% 180V to 360V DC± 10%	24V AC/DC ± 20% max. ca. 5W
Inputs						M-Bus or S7 via RS232
Outputs						Soft SPS
Connections	A-side: FTT10A B-side: FTT10A or PLT22 or RS485 or RS485-fiber optic	A-side: FTT10A B-side: FTT10A		3x FTT10A	LON: FTT or PLT Antenna: FME TCP/IP: RJ45 PC: USB	LON: 2x VNI FTT M-Bus RS232 S7 RS232 TCP/IP RJ45 Modem RJ45
Function, transmission	Active signal converter: FTT10A → FTT10A FTT10A → PLT22 , (C-band 125-145 kHz) FTT10 → RS485 2 wire + fiber optic	Active signal converter: FTT10A → FTT10A , 78KBit/s	Capacitive coupling on 3 phases with subsequent separation - transformer L / N max.: 600V AC	Active signal amplifier for transparent network connection of max. 3x 64 nodes with FTT10A interfaces	Connection of LON-WORKS® Netzwerke via TCP/IP (including DSL), with an extension of GSM without landline connection over a GSM / GPRS route	LON-VNI , SQL-Server and Client, OPC-Server and Client, M-Bus interface , LON - M-Bus gateway, Web-Server, history timer, integrated analog modem
Special functions				Built-in switchable termination resistors	GSM / GPRS module: Dual-band 900/1800 MHz GPRS class B – class 8 with slot for sim card	- Visualization integrated in the device, available with Web browser (Java). - GSM-modem - ISDN-modem Unit comes only configured just finished. Changes made via remote access from Unitro.