TCP/IP SmartManager
for LONWORKS® Power line
or Free-Topology Networks

Type designation:

SmartManager
with the SmartManager can LONWORKS® networks using TCP/IP (including DSL) are interconnected.

SmartManager-GSM
with the SmartManager GSM can LONWORKS® networks without landline connection with a GSM mobile route using TCP/IP are interconnected.

System features:

- The SmartManager connects LONWORKS® networks to the mobile Internet
- 10/100BaseT – Ethernet interface
- Remote network interface (RemoteCollector from Windows 7 Pro) as LONWORKS® interface
- Connection to LONWORKS® networks with Power line (PLT) or Free-Topology (FTT)
- Built coupling possible for the Power Line version
- Internet access is protected by standard security procedures
- Parameterization via standard browser
- Option: Quad-Band UMTS module
- EMC-values: UNITRO-Standard in accordance with EN 61000

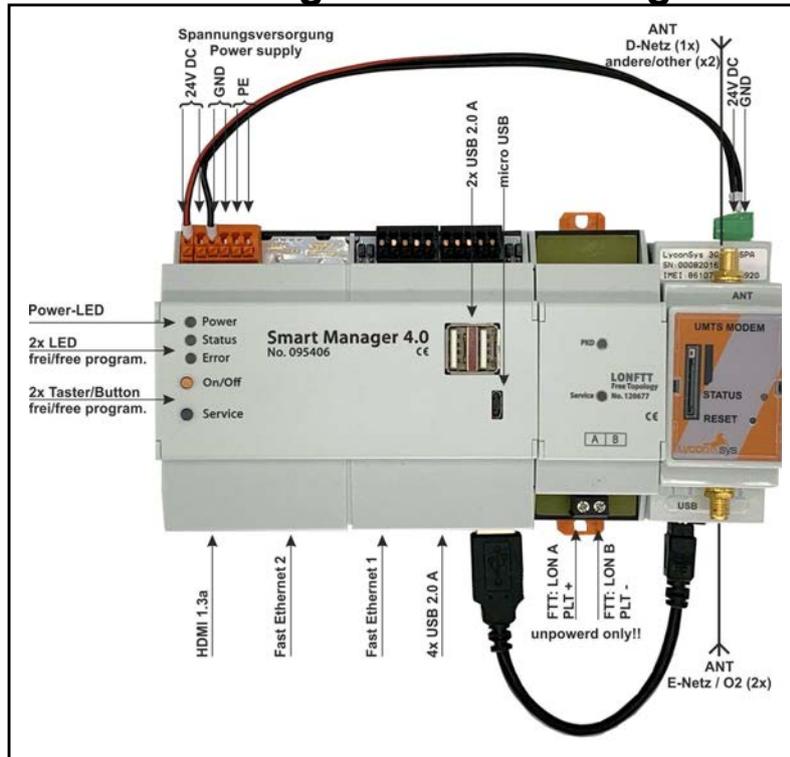LONWORKS is a registered trademark of Echelon Corporation

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subject to change

Connection diagram SmartManager-GSM

Technical data:

1. **Type of construction:**
   snap-on housing for DIN-Rail mounting
   108 (+36 (LON)+34 (Modem))x 90 x 64 mm

2. **Degree of protection:**
   IP20

3. **Weight:**
   approx. 350g

4. **Climatic conditions:**
   temperature: 0-50 °C,
   humidity: 0-90 % (not condensing)

5. **Connection:**
   screw-type terminals/ plug connection
   max. 2,5mm²

6. **Ethernet interface:**
   10/100 BaseT RJ45 interface

7. **USB interface:**
   for data logging via USB stick

8. **Supply voltage:**
   24V DC, max. 450mA   ± 10-15%
   120V bis 230V AC max. 60mA ± 10-15%
   180V bis 360V DC max. 60mA ± 10-15%

9. **Processor:**
   32bit RISC-Processor,
   Neuron® 3150

10. **UMTS module**
    Quad-band GSM-/Tri-band UMTS
    Temperature range: -30° C to + 70° C
    with slot for SIM card

11. **LED display:**
    LED yellow: GSM/GPRS module ready
    LED green: ethernet ready
    LED green: power on
    Service LED yellow: flashing = device not
                                     initialized
                     continuous light = error
    LED geen: PKD (packed detect) lights up
                during data transmission
    LED yellow: BIU (band in use) lights at the
                reception or if occupied band

12. **Transmission:**
    LON-FTT: two wire (twisted-pair),
                   78kbps, max. 2,7km
    LON-PLT: two wire (C-band 125-145kHz)
                   4,8kBit/s, max. 30km
    in conjunction with phase coupler also
    power line transmission on the 230/400V AC

13. **Parameterization:**
    via standard browser

14. **Leakage distances and clearances:**
    in accordance with UNITRO-Standard

15. **EMC, immunity of interference:**
    UNITRO-Standard,
    in accordance with EN 61000