

TELEMETRY SYSTEM

TLK - /TLW-E

The possibility of remotely monitoring and controlling the station allows to optimize operation by preventing malfunctions and reducing intervention times in the event of a breakdown. RVR has a full set of remote control systems.

MODELS

TLK300 TLK302T
TLK301 /TLW-E



There are IP telemetry modules that can be integrated into the compact transmitters of the TEXLCD and TEXTFT series, SNMP telemetry for individual transmitting devices or systems, SNMP2 telemetry systems for complex and redundant configurations, all compatible with any device such as smartphone, Desktop PC, Laptop.

Versions available for serial port, GSM, WEB, easy to configure and fully compatible with any operating system.

- **TLK300: SNMP external unit for single devices and systems.**
- **TLK301: SNMPv2, SNMPT Auth mail and slave SCMLCD4+1 systems.**
- **TLK302T: SNMP2 external unit for single devices and systems.**
- **TLW-E: module that can be integrated into BLUES-NV, TEX-LCD and TEX-TFT devices.**

| ORDERING INFORMATION | |
|----------------------|-------------------------------------------------------------------------------------------------------------------------|
| Model | Description |
| TLK300 | The telemetry systems allow for an immediate intervention in case of fault, thanks to the radio station remote control. |
| VERSION | |
| TLK300/V9 | Telemetry unit SERIAL only for TX 1+1 Compact Transmitter Series with SCML1+1SL. |
| TLK300/V10 | Telemetry unit GSM only for TX 1+1 Compact Transmitter Series with SCML1+1SL. |
| TLK300/V11 | Telemetry unit WEB only for TX 1+1 Compact Transmitter Series with SCML1+1SL. |
| TLK300/V12 | Telemetry unit WEB + GSM only for TX 1+1 Compact Transmitter Series with SCML1+1SL. |

| ORDERING INFORMATION | |
|----------------------|-------------------------------------------------------------------------------------------------------------------------|
| Model | Description |
| TLK301 | The telemetry systems allow for an immediate intervention in case of fault, thanks to the radio station remote control. |
| VERSION | |
| TLK301/V1 | Telemetry unit serial for TX modular line. |
| TLK301/V2 | Telemetry unit GSM for TX modular line. |
| TLK301/V3 | Telemetry unit LAN for TX modular line. |
| TLK301/V4 | Telemetry unit LAN+GSM for TX modular line. |
| TLK301/V5 | Telemetry unit serial for TX PLUG-IN-CA. |
| TLK301/V6 | Telemetry unit GSM for TX PLUG-IN-CA. |
| TLK301/V7 | Telemetry unit LAN for TX PLUG-IN-CA. |
| TLK301/V8 | Telemetry unit LAN+GSM for PLUG-IN-CA. |

| ORDERING INFORMATION | |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Model | Description |
| TLK302T | TLK302T is an evolution of the TLK300 Telemetry Serie that includes additional functions for telemetry. |
| TLK302T-02 | Double Telemetry unit WEB. |
| TLK302T-M | Telemetry unit WEB + FM Radio Receiver and Modulation Analyzer. |

Module that can be integrated into BLUES-NV ,TEX-LCD and TEX-TFT devices.

| ORDERING INFORMATION | |
|----------------------|---------------------------------------------------------------------------------------------------------------------|
| Model | Description |
| /TLW-BLU-E | BLUES30NV BLUES50NV |
| /TLW-TEX-E | TEX30LCD/S TEX50LCD/S TEX100LCD/S TEX150LCD/S TEX300LCD TEX502LCD TEX702LCD TEX3500LCD |
| /TLW-TFT-E | TEX32TFT TEX52TFT TEX302LCD/S TEX502TFT TEX702TFT TEX1002TFT TEX1003TFT TEX1703TFT TEX2003TFT TEX2503TFT TEX5004TFT |





TLK300

Telemetry System.



R.V.R. Web Administration for TLK-WEB

Auto Refresh: Ready!

Menu selection

User:
Info
Measure
Alarm List

Operator:
General
Command
Alarm Delete

Administrator:
General
Command
Alarm Delete
Password
Network
Mail

| | | | | |
|-----------------|---------|-----------------|--------|---------------------------------------------------|
| Config. | 32 | TX1 R.F. Mute | Absent | |
| Status | Remote | | | CMD RESET <input type="button" value="Set"/> |
| Tx1 OnAIR | Absent | Tx2 Fwd Power | 0 W | CMD Auto/Man <input type="button" value="Set"/> |
| Tx1 Good | Absent | Tx2 Rfl Power | 0 W | CMD Exchange <input type="button" value="Set"/> |
| Tx2 OnAIR | Present | Tx2 Freq. | 0 MHz | CMD TX1 On/Off <input type="button" value="Set"/> |
| Tx2 Good | Absent | Tx2 Mod. | 0 KHz | CMD TX2 On/Off <input type="button" value="Set"/> |
| SCM Status | Manual | Tx2 Vpa | 0 V | |
| | | Tx2 Ipa | 0 A | |
| TX1 Fwd Power | 0 W | Tx2 Mod. L | 0 KHz | |
| TX1 Rfl Power | 0 W | Tx2 Mod. R | 0 KHz | |
| TX1 Freq. | 0 MHz | Tx2 PLL Lock | Absent | |
| TX1 Mod. | 0 KHz | Tx2 Audio Alarm | Absent | |
| TX1 Vpa | 0 V | Tx2 Folback | Absent | |
| TX1 Ipa | 0 A | Tx2 R.F. Mute | Absent | |
| TX1 Mod. L | 0 KHz | | | |
| TX1 Mod. R | 0 KHz | SCM Tot Retry | 10 | |
| TX1 PLL LOCK | Absent | SCM Retry | 0 | |
| TX1 Audio Alarm | Absent | SCM Switch | Absent | |
| TX1 Folback | Absent | SCM Fault | Absent | |



TLK301

Telemetry System.



R.V.R. Stazione TLK-V7
Utente: admin

Comandi

Aggiornamenti automatici: 5 secondi

Comandi

Alarms

Error

Start

Measurement

SNRP

TX Measures

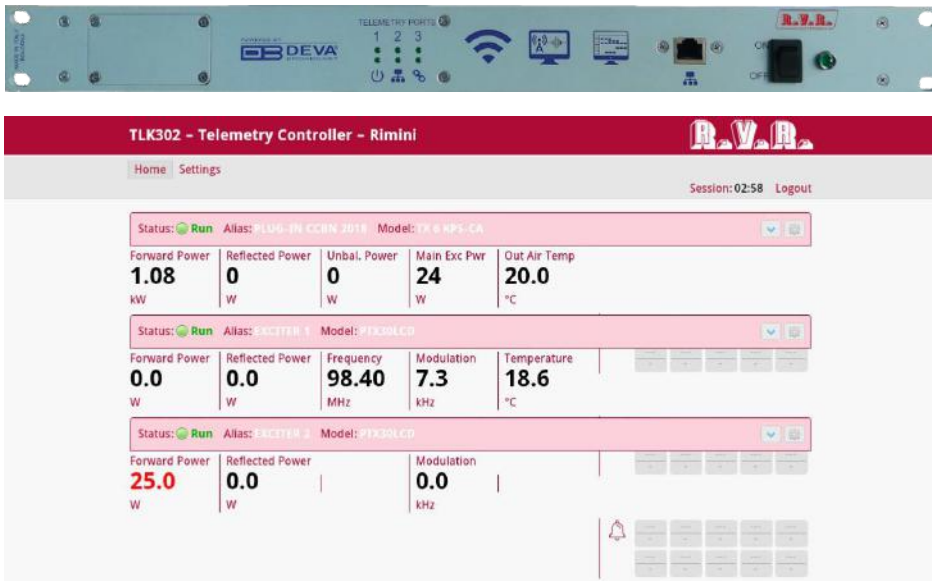
| | | | | | |
|-------------------------|---------------------------|----------------------------|-----------------------------|---------|------------|
| 0 W TX Forward Power | 0 W TX Reflected Power | 0 W TX Unbalanced Power | ON | Standby | OFF |
| Normal Power | Low Power | Fault/Reset | Wait | Warning | Remote |
| Over Temperature | -50 °C TX Temperature | EXC1 Exciter Order | Auto/Man Chargeover Mode | Safety | Main Fault |

Exc: #1 Measures

| | | | | | |
|----------------------------|-------------------|-------------------|---------------------------|-----------------------------|-----------------------------|
| 0.00 MHz Frequency EXC1 | 0.0 V Vpa EXC1 | 0.0 V Vpa EXC2 | 0.0 W Forward Pwr EXC1 | 0.0 W Reflected Pwr EXC1 | 0.0 W Reflected Pwr EXC2 |
| 0.0 V Ipa EXC1 | 0.0 A Ipa EXC2 | 0 °C Temp EXC1 | Folback | PLL Lock | R.F. Mute |
| 0.0 V Mod EXC1 | 0.0 V Mod EXC2 | 0.0 V Mod EXC3 | | | |

Exc: #2 Measures

TLK - /TLW-E



TLK302T

Telemetry System.



/TLW-E

Telemetry System.



TLK300

| Parameters | | Value | Notes |
|------------------------------|-----------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GENERALS | | | |
| Ambient working temperature | | -10 °C to + 50 °C / 95% | Relative humidity non condensing |
| POWER REQUIREMENTS | | | |
| AC Power input | AC Supply Voltage | VAC | 80 - 260 |
| | AC Apparent Power Consumption | W | 25 |
| | Connector | | VDE IEC Standard |
| DC Power Input | DC Supply Voltage | VDC | 12 |
| | DC Current | | < 3 a |
| MECHANICAL DIMENSIONS | | | |
| Physical dimensions | L x H x W | mm / inch | 483 / 19 |
| | | mm / inch | 88 / 3 1/2 |
| Weight | | kg | About 4,3 |
| Cooling | | | Convection cooling |
| Acoustic noise | | dBA | 0 |
| INTERFACES | | | |
| Signalling LEDs | | | Yes |
| Display | 40X2 Alphanumerical | | No |
| Push buttons | 4 (UP, DOWN, ENTER, ESC) | | No |
| USB | TELECON Protocol | | Yes |
| RS232 | TELECON Protocol | | Yes |
| RS485 | PLUG-IN Protocol | | Yes (Only on TX PLUG-IN CA versions) |
| RJ45 | I2C | | Yes |
| | LAN | | Yes (Only on WEB versions) |
| | 10/100 base-T Ethernet LAN HTTP and AJAX SMTP | | Yes Status and configuration can be accessible from any internet browser on a PC or smartphone Alarm notification events sends via emails (up to 4 independent address can be defined) |
| SIM slot & ANTENNA | | Yes | (Only on GSM versions) |
| FUSES | | | |
| On mains | | | 1 External fuse F 1 A F - 5X20 mm |
| On services | | | X |
| On PA Supply | | | X |
| On driver supply | | | X |

TLK301

| Parameters | | Value | Notes |
|------------------------------|-------------------------------|------------|--------------------------------------|
| GENERALS | | | |
| Ambient working temperature | °C | -10 to + 5 | Whithout condensing |
| POWER REQUIREMENTS | | | |
| AC Power input | AC Supply Voltage | VAC | 80 ÷ 260 * |
| | AC Apparent Power Consumption | W | 25 |
| | Connector | | VDE IEC Standard |
| DC Power Input | DC Supply Voltage | VDC | 12 |
| | DC Current | | < 3 |
| FUSES | | | |
| On mains | | | 1 External fuse F 1 A F ÷ 5X20 mm |
| MECHANICAL DIMENSIONS | | | |
| Physical dimensions | Front panel width | mm / inch | 483 |
| | Front panel height | mm / inch | 44 |
| | Overall depth | mm / inch | 263 |
| | Chassis depth | mm / inch | 239 |
| Weight | | kg | About 4,3 |
| INTERFACES | | | |
| Signalling LEDs | | | Yes |
| Display | 40X2 Alphanumerical | | No |
| Push buttons | 4 (UP, DOWN, ENTER, ESC) | | No |
| USB | TELECON Protocol | | Yes |
| RS232 | TELECON Protocol | | Yes |
| RS485 | PLUG-IN Protocol | | Yes (Only on TX PLUG-IN CA versions) |
| I2C | | | Yes |
| RJ45 | LAN | | Yes (Only on WEB versions) |
| SIM slot & ANTENNA | | | Yes (Only on GSM versions) |
| VARIOUS | | | |
| Cooling | | | Convection cooling |
| Acoustic noise | | dBA | 0 |

All pictures are RVR's property and they are only indicative and not binding. The pictures can be modified without notice. These are general specifications. They show typical values and are subject to change without notice.

TLK302T

| Parameters | | Value | Notes |
|------------------------------|------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------|
| GENERALS | | | |
| Ambient working temperature | | -10 °C to + 50 °C / 95% | Relative humidity non condensing |
| POWER REQUIREMENTS | | | |
| AC Power input | AC Supply Voltage | VAC | 100 - 240 |
| | AC Apparent Power Consumption | W | 15 |
| | Connector | | VDE IEC Standard |
| MECHANICAL DIMENSIONS | | | |
| Physical dimensions | L x H x W | mm / inch | 483 |
| | | mm / inch | 88 / 3 1/2 |
| Weight | | kg | About 1 |
| Cooling | | | Convection cooling |
| Acoustic noise | | dBA | 0 |
| INTERFACES | | | |
| Signalling LEDS | | | Yes |
| RS232 | | | Yes |
| RS485 | PLUG-IN protocol | | Yes (only exciter PTX) |
| I ² C | For sampling the RVR station single and dual exciter | | Yes (only TX PLUG IN-CA version) |
| RJ45 | 10/100 base-T Ethernet LAN | | Yes |
| | HTTP | | Status and configuration can be accessible from any internet browser on a PC or smartphone. |
| | SNMPV 2.0 | | Status and configuration can be accessible from MIB browser and TRAP alarm receiver. |
| | SMTp | | Alarm notification events sends via emails (up to 2 independent address can be defined). |
| | SMTp | | Built-in dock synchronization over networks. |
| FUSES | | | |
| On mains | | | 1 External fuse F 3,15 A T - 5X20 mm |
| On services | | | X |
| On PA Supply | | | X |
| On driver supply | | | X |

/TLW-E

| Parameters | | Value | Notes |
|------------------------------------------------------|--|-------------------------|----------------------------------|
| GENERALS | | | |
| Ambient working temperature | | -10 °C to + 50 °C / 95% | Relative humidity non condensing |
| FEATURES | | | |
| I2C Slave for connection to external telemetry | | | X |
| Connection with WEB Browser (IE, Firefox, Opera, ..) | | | X |
| WEB protection with 2 Password Levels | | | X |
| SNMP connection (GET,SET) | | | X |
| TRAP notification with Station name | | | X |
| TRAP notification with Counter | | | X |

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