

TDS20062xx

HVAC Modbus Slave interface



The TDS20062xx is the HVAC Modbus Slave which must be used in combination with the TDS14061 to realize HVAC integration.

The TDS20062xx can be one of the following brands:

- TDS20062LG = LG
- TDS20062MH = Mitsubishi Heavy
- TDS20062GR = Gree
- TDS20062SS = Samsung

APPLICATION

Interface for control of HVAC systems. Can support up to 10 outdoor units. To be combined with TDS14061.

CHARACTERISTICS

Functionality's

Supported functionalities (Depends on HVAC system):

- 5 Modes: Auto, Heat, Cool, Dry, Vent
- Adjustable speed (airflow)
- Set temperature
- Measured room temperature
- HVAC error codes

LCD display

16x2 characters.

SETTINGS

Configuration

Automatically with TDS14061.

INSTALLATION

DIN-rail mounting

6.5 modules wide

HVAC brand specific Remote Controller (the wall control panel).

For service reasons it is recommended to provide the brand specific remote controller panel(s). This allows the HVAC technician to service his system in the usual way without the need of TELETASK system knowhow.

CONNECTIONS

HVAC SYSTEM BUS

For TDS20062LG (LG):

Connect the Internet A / Internet B terminals from TDS20062LG with the Internet A / Internet B terminals which are located on an outdoor unit of the HVAC system.

For TDS20062MH Mitsubishi Heavy:

Connect the A/B terminals from TDS20062MH with the A/B terminal which is located on an outdoor or indoor unit of the HVAC system.

MODBUS data + power

2 x 2 x 0,5mm², unshielded.

This connection should be connected to the TDS14061 HVAC Modbus Master interface with the supplied cable.

POWER CONSUMPTION

Max. 80mA

DIMENSIONS

115 W x 63 H x 32 D (mm)

NET | GROSS WEIGHT

0,230 kg | 0,350 kg

PACKAGING CONTENT

TDS20062xx interface
Cable for connecting with TDS14061

STORAGE

Temperature

-20°C to +65°C

Relative humidity

15% to 85%

IP PROTECTION RATE

IP30

OPERATING RANGE

Temperature

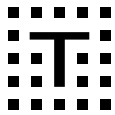
0°C to +45°C max.

Relative humidity

5% to 80% at 25°C (no humidity/condense)

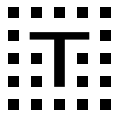
LIMITED WARRANTY

2 years



DEVICE COMPATIBILITY LIST:

<p>LG TDS20062LG</p>	<p>Outdoor unit types</p> <p>ARUB-LT2 ARUN-LT2 ARUN-GS2 ARUN-LR2</p> <p>LG HVAC systems using the LG PI485 interface (model: PHNFP14A0) will also be compatible.</p>	<p>Indoor unit types</p> <p>ARNU-GB1G2 ARNU-GCEA2 ARNU-GSEL2 ARNU-GSER2 ARNU-GSF12 ARNU-GTEC2 ARNU-GTJC2 ARNU-GB1G2 ARNU-GBHA2 ARNU-GCFA2 ARNU-GCFU2 ARNU-GBGA2 ARNU-GTMC2 ARNU-GBRA2</p>
<p>MITSUBISHI HEAVY TDS20062MH</p>	<p>Outdoor unit types</p> <p>FDCA FDC</p>	<p>Indoor unit types</p> <p>FDTA FDUA FDT FDTCA FDQSA FDCT FDQS FDTQA FDKA FDTW FDK FDTSA FDEA FDS FDE FDTWA FDFA FDTQ FDL FDUMA FDFA FDU FDU</p>
<p>GREE TDS20062GR</p>	<p>Outdoor unit types</p> <p>GMVL-R_W/Na-K/M GMVL-R_W/H-K/M GMVL-R_W/B-K/M GMVL-R_W/A-D R_W/AS-F R_W/AS-H</p> <p>GMVL- GMVL-</p>	<p>Indoor unit types</p> <p>GMV/L-R_P GMV/L-R_T GMV/L-R_G GMV/L-R_Zd GMV/L-R_Td</p>
<p>SAMSUNG TDS20062SS</p>	<p>Outdoor unit types</p> <p>AM072FXVA(FH/FR/JH/JR)/AA AM096FXVA(FH/FR/JH/JR)/AA AM120FXVA(FH/FR/JH/JR)/AA AM144FXVA(FH/FR/JH/JR)/AA AM168FXVA(FH/FR/JH/JR)/AA AM192FXVA(FH/FR/JH/JR)/AA AM216FXVA(FH/FR/JH/JR)/AA AM240FXVA(FH/FR/JH/JR)/AA AM264FXVA(FH/FR/JH/JR)/AA AM288FXVA(FH/FR/JH/JR)/AA</p>	<p>Indoor unit types</p> <p>AM009FN4DCH/AA AM018FN4DCH/AA AM024FN4DCH/AA AM030FN4DCH/AA AM036FN4DCH/AA AM048FN4DCH/AA AM009FNNDCH/AA AM012FNNDCH/AA AM018FNNDCH/AA</p>



	AM312FXVA(FH/FR/JH/JR)/AA AM336FXVA(FH/FR/JH/JR)/AA AM360FXVA(FH/FR/JH/JR)/AA AM384FXVA(FH/FR/JH/JR)/AA AM408FXVA(FH/FR/JH/JR)/AA AM432FXVA(FH/FR/JH/JR)/AA AM036FXMDCH/AA AM048FXMDCH/AA AM053FXMDCH/AA	AM020FNNDCH/AA AM007FN1DCH/AA AM009FN1DCH/AA AM012FN1DCH/AA AM036FNHDCH/AA AM048FNHDCH/AA AM076FNHDCH/AA AM096FNHDCH/AA AM018FNMDCH/AA AM024FNMDCH/AA AM030FNMDCH/AA AM036FNMDCH/AA AM048FNMDCH/AA AM007FNLDCH/AA AM009FNLDCH/AA AM012FNLDCH/AA AM018FNLDCH/AA AM024FNLDCH/AA AM030FNLDCH/AA AM036FNLDCH/AA AM048FNLDCH/AA AM007FNTDCH/AA AM0097FNTDCH/AA AM012FNTDCH/AA AM018FNTDCH/AA AM020FNTDCH/AA AM024FNTDCH/AA AM018FNCDCH/AA AM024FNCDCH/AA.
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SCHEMATIC DRAWING

