

TDS20061xx

HVAC Modbus Slave interface



The TDS20061xx is the HVAC Modbus Slave which must be used in combination with the TDS14061 to realize HVAC integration.

The TDS20061xx can be one of the following brands:

- TDS20061DA = Daikin
- TDS20061ME = Mitsubishi Electric (max. 50 indoor units)
- TDS20061TO = Toshiba
- TDS20061SY = Sanyo
- TDS20061HI = Hitachi
- TDS20061PA = Panasonic

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.

DIP switches inside TDS20061DA

Any non-VRV unit (indoor units for residential use) that can be extended with Daikin D3-net will be compatible with TDS20061DA.

In accordance, 4 DIP switches inside the TDS20061DA need to be switched ON (default OFF) ONLY if no centralized VRV controller is installed.

If non-VRV units are used, each Multi/Split/SkyAir indoor unit has to be provided with a communications interface from Daikin. Contact Daikin for more info on these interfaces and possibilities.

DIP switches inside TDS20061ME

Any non-VRF unit (indoor units for residential use) that can be extended with the M-net will be compatible with TDS20061ME. In accordance, 4 DIP switches inside the TDS20061ME need to be switched ON (default OFF) ONLY if no centralized VRF controller is installed.

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 (see also the remark below).

REMARK FOR TDS20061HI HITACHI

! It is necessary to install the HITACHI local wired remote controllers of the HITACHI HVAC system to guarantee optimal compatibility and functionality!!!

CONNECTIONS

HVAC SYSTEM BUS

For TDS20061DA (DAIKIN):

Connect the F1/F2 terminals from TDS20061DA with F1/F2 Out/Out terminal from D3-net which is located on an outdoor or indoor unit of the HVAC system. Do not connect the TDS20061DA HVAC system bus to the terminals on one of the indoor units (F1/F2 In/Out).

For TDS20061ME (MITSUBISHI ELECTRIC):

Connect the M1/M2 terminals from TDS20061ME with the M1/M2 terminal from M-net which is located on an outdoor or indoor unit of the HVAC system.

For TDS20061TO (TOSHIBA):

Connect the U1/U2 terminals from TDS20061TO with the U1/U2 terminal from TCC-link net which is located on an outdoor or indoor unit of the HVAC system.

For TDS20061SY (SANYO):

Connect the U1/U2 terminals from TDS20061SY with the U1/U2 terminal from S3-net which is located on an outdoor or indoor unit of the HVAC system.

For TDS20061HI (HITACHI):

Connect the 1/2 terminals from TDS20061HI with the 1/2 terminal from H Link-net 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

TDS20061xx interface
Cable for connecting with TDS14061

STORAGE

Temperature

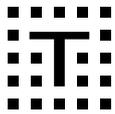
-20°C to +65°C

Relative humidity

15% to 85%

IP PROTECTION RATE

IP30



<p>SANYO TDS20061SY</p>	<p>Outdoor unit types</p> <p>MFL EFL SPW_CO SPW-C SPW-CR SGP-EZ SGP-EW</p>	<p>Indoor unit types</p> <p>NWFL NDHP NPFL NPFL NDSLPL NKFL NFFL NDLP NK2FL NFMFL SPW-X SPW-XM SPW-ADR SPW-SR SPW-LDR SPW-FUR SPW-K SPW-FMR SPW-FTR SPW-FR SPW-KR SPW-UMR SPW-U</p>
<p>HITACHI TDS20061HI</p>	<p>Outdoor unit types</p> <p>RAS-FSN RAS-FXNE</p>	<p>Indoor unit types</p> <p>RCI RPC RPF RCD RPK RPI RPF</p>
<p>PANASONIC TDS20061PA</p>	<p>Outdoor unit types</p> <p>Not yet available</p>	<p>Indoor unit types</p> <p>Not yet available</p>

SCHEMATIC DRAWING

