## **LN**Output interfaces

#### 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 0,5mm<sup>2</sup>, 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

**EN**Output interfaces

#### **OPERATING RANGE**

#### LIMITED WARRANTY

2 years

**Temperature** 

0°C to +45°C max.

#### **Relative humidity**

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

DEVICE COMPATIBILITY LIST:		
DAIKIN TDS20061DA  ! Remark: Alternatively Daikin VRV units can also be integrated with your TELETASK DoIP system by means of the IP Software license TDS15200 in combination with the Daikin iTouch Ethernet interface. For more details see	Outdoor unit types  RXYQ-M/P (VRV II,VRV III) RXYK (VRV) RXYSQ-M/P (VRV Small) RXY-M RWEYQ REYQ  Multi, Split and Sky Air systems will also be compatible when using	Indoor unit types  FXCQ FXNQ FXLQ FXEQ FXEQ FXEQ FXEQ FXEQ FXEQ FXDQ FXDQ FXSQ FXDQ FXDQ FXDQ FXDQ FXDQ FXDQ FXDQ FXD
datasheet TDS15200.	D3 Net interfaces (KRP928 or DTA112)	FXHQ VKM VAM
MITSUBISHI ELECTRIC TDS20061ME  ! Remark: Alternatively Mitsubishi Electric VRF units can also be integrated with your TELETASK DoIP system by means of the IP Software license TDS15200 in combination with the Mitsubishi Electric GB50 or AG150 Ethernet gateway.  For more details see datasheet TDS15200.	Outdoor unit types  PUHY PURY PQHY PQRY PUMY PUHYP250YJM-A	Indoor unit types  PKFY PFFY-PVKM PLFY-P-VCM PEFY-P-VMS1 PFFY-P-VLRM PCFY-P-VGM PLFY-P-VLMD PEFY-P-VLMD PEFY-P-VLEM PLFY-P-VBM PFY-P-VBM PFY-P-VBM PEFY-P-VMH PEFYP50VMA-E PEFYP100VMA-E PEFYP32VMA-E PEFYP-83VMA(L)-E  Any non VRF unit (indoor units for residential use) that can be extended with the M-net will be compatible with TDS20061ME.
TOSHIBA TDS20061TO	Outdoor unit types  MCY-MAP.HT  MMY-MAP.T8  MMY-MAP.HT8  MMY-MAP.FT8	Indoor unit types  MMU-AP.H  MMU-AP.YH  MMD-AP.SPH  MML-AP.H  MMD-AP.HFE  MMU-AP.MH  MMD-AP.BH  MMC-AP.H  MMC-AP.H  MML-AP.BH  MMU-AP.WH  MMU-AP.WH  MMU-AP.WH  MMU-AP.WH  MMD-AP.H  MMM-AP.H  MMK-AP.H



# **EN**Output interfaces

SANYO TDS20061SY	Outdoor unit types  MFL EFL SPW_CO SPW-C SPW-CR SGP-EZ SGP-EW	Indoor unit types  NWFL NDHP NPFL NPFL NPFL NDSLP NKFL NFFL NDLP NK2FL NFMFL SPW-X SPW-XM SPW-ADR SPW-ADR SPW-BPW-SR SPW-LDR SPW-FUR SPW-UMR SPW-U
HITACHI TDS20061HI	Outdoor unit types RAS-FSN RAS-FXNE	Indoor unit types  RCI RPC RPFI RCD RPK RPI RPF
PANASONIC TDS20061PA	Outdoor unit types  Not yet available	Indoor unit types  Not yet available



#### **SCHEMATIC DRAWING**

