



### HMD-TFR19-LED

## Digital time/date/temperature display for outdoors

- + Single-line display of hours and minutes in rhythmic change with air temperature and date
- + 12 or 24 hours mode
- + Automatic summer-/winter time changes
- + Automatic brightness adjustment
- + Modes of operation:
  - + Autonomous quartz clock
  - + Slave clock (controlled from a master clock through 24 V DC polarised minute impulses or time code)
  - + Synchronisation with DCF or GPS receiver
- + Red intensive dot matrix display with 190 mm digit height
- + Readability up to 75 m
- + Display interval between 1 to 25 s adjustable
- + Temperature calibration adjustable
- + Including radio remote control unit with 3 push-buttons for wireless adjustment of all parameters

#### Technical data:

Housing:	Black aluminium case for wall or ceiling mounting via mounting holders
Applicability:	For mounting in moist rooms or outdoors
Accuracy:	±0.1 s / 24 h
Internal data memory:	48 h
Current consumption:	5 mA at 24 V DC impulse operation
Power supply:	230 V AC / 50 Hz ±10%
Measuring range temp.:	-30 °C ... +60 °C (measuring every minute)
Accuracy temp.:	±1 °C (calibration range ±9 °C)
Ambient temperature:	-20 °C ... +40 °C
Dimensions (WxHxD):	740 x 270 x 92 mm
EMC:	EN61000-6-3:2001, EN61000-6-2:2005



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Analogue Clocks  
Master Clocks  
Clock Centrals  
**Digital Clocks**  
Wireless Master Clock System  
Scoreboards



**Options:**

- .....  
HMD-T-TEMP/A:                    Air temperature sensor PT100  
.....
  - HM-DCF2:                         DCF-77 radio synchronisation antenna  
.....
  - HM-GPS2:                         GPS reception antenna  
.....
  - HMD-TFR19PW-LED:             Double sided version (case depth 130 mm)  
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- Versions with yellow (indoors/outdoors) or green (indoors only) LED display  
Versions with display of seconds and years, too  
Versions with 150 / 250 / 300 / 450 mm digit height



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