

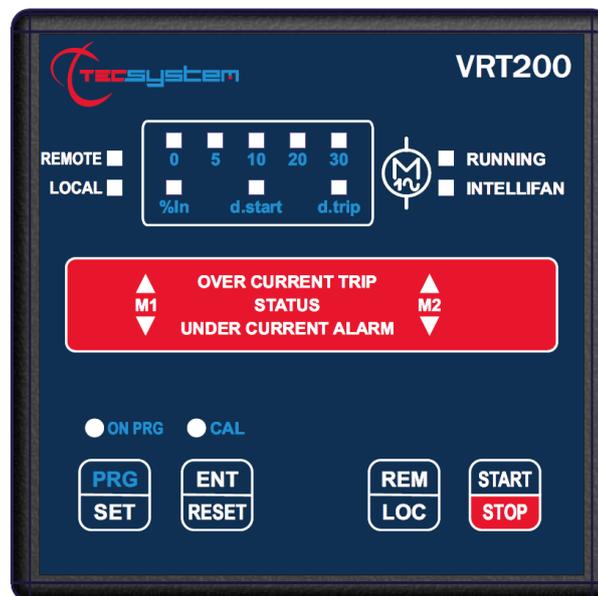
## TECHNICAL BULLETIN

### VRT200 ED17

The new unit Tecsystem VRT200 ED17 is a technical evolution of the old version unit VRT200; in this document we will describe the most important upgrades.

The changes are:

#### NEW GENERAL FEATURES:



#### **Power supply input 85-250Vca 50/60Hz (NEWS new look ED17)**

Extension of the power range 85-250Vca 50/60Hz.

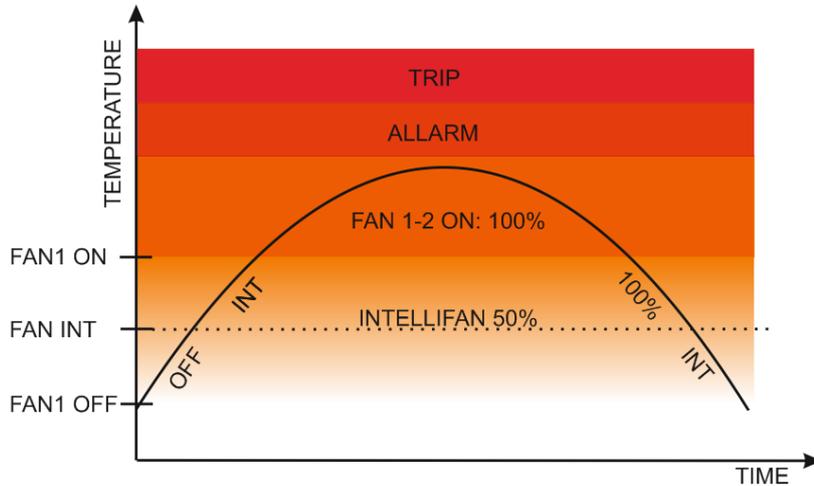
#### **Introducing the EN1-EN2 contacts for managing the Intellifan function (NEWS new look ED17)**

The Intellifan function allows you to reduce the thermal shock on the transformer by partially anticipating (one bar at a time) the activation of the tangential ventilation system.

The reduction of the thermal shock on the transformer will allow you to prolong the life of the transformer and the same ventilation system.

By enabling the FAN1 "INT" of the monitoring unit (version ED16), the control unit will alternate the activation (every 30 minutes) of the FAN1 and FAN2 contacts, anticipating the activation of the ventilation system at the intermediate value between FAN1 ON and FAN1 OFF.

ES. FAN1 ON = 70 ° C and FAN1 OFF = 60 ° C FAN ACTIVATION INT. = 65 °



Note: After exceeding the FAN1 ON threshold, the control unit will activate both bars.

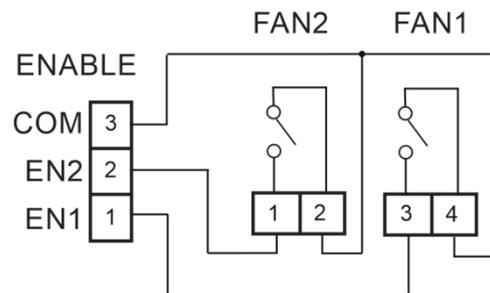
### Connections VRT200 ED17 + pre-configured control unit with INTELLIFAN enabled

Before you enable the function, always check that the connection between the two FAN 1 and FAN 2 contacts, of the temperature monitoring unit, and the VRT200 is: FAN1 contact with COM - EN1, FAN 2 contact with COM - EN2.

#### VRT200 ED17



#### CONNECTION INTELLIFAN



You can enable the INTELLIFAN function, step 7 of the VRT200 programming, by selecting:

- Led's ▲ On: Enabled function

Note: For proper operation of the INTELLIFAN function, it is recommended to comply with  $\Delta T$  10 ° C between FAN1 ON and FAN1 OFF and enable the function on both the VRT200 devices and the thermal monitoring unit.

The monitoring devices available with the function Intellifan are: NT935 BASIC (ED16), NT935 AD (ED16), NT935 ETH (ED16), NT935 IR BASIC (ED16), NT935 IR AD (ED16), T1048 BASIC, T1048 RS485, T1048 ETH.

### Connections VRT200 ED17 + control unit without INTELLIFAN or disabled function

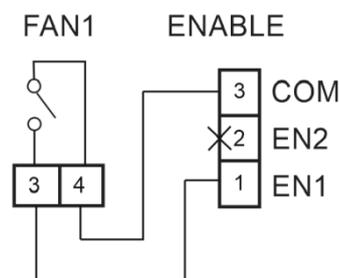
FAN 1 contact of the temperature monitoring unit must be connected to COM - EN1; FAN2 contact, if available, shouldn't be connected to VRT200 ED17.

**NOTE: Primary use of the VRT200 ED17 unit is connected also to the temperature monitoring unit without Intellifan Function.**

### VRT200 ED17



### CONNECTION WITHOUT INTELLIFAN



You can disable the INTELLIFAN function, step 7 of the VRT200 programming, by selecting:

- Led's ▼ On: Disabled function