NTP/AFNOR INTERFACE

APPLICATIONS

- To converter an Ethernet network time signal (NTP protocol) into an AFNOR signal (NFS 87500 A).

STANDARDS

- EN 60950.
- EN 55022.
- EN 55024.

See product page on
>> www.bodet-time.com <<

TECHNICAL FEATURES

- **Construction**..... Polycarbonate casing reinforced with fiberglass.
- **Power supply**..... PoE Ethernet network (20mA at 48V)
- **Synchronisations**..... In unicast, multicast or by DHCP.

CONFIGURATION

- The interface can be connected to an Ethernet network delivering Network Time Protocol messages (NTP).
- Settings from embedded web server.

CONNECTION

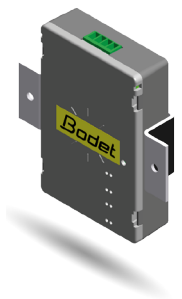
- One RJ45 compatible Ethernet PoE should be used to connect the interface to the Ethernet network (PoE) in 10Base-T through a **Category 5 cable minimum or Category 6** (straight cable).
- In case the Ethernet network is not POE compatible, a 2-terminal connector is used to power the interface through a 12/35VDC TBT power supply unit.
- On the output side, a 4-terminal connector distributes the AFNOR signal and the power for the slave clock.
- The output power available on this connector is limited to 100mA from a PoE network or 0.5 A from a power supply for a non PoE network (Ref: 927222 only).

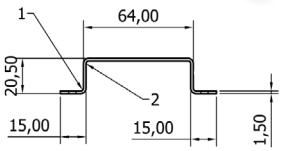
ENVIRONMENT

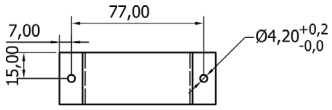
- **Temperature**..... -5 to +55°C.
- **Humidity**..... 0 to 80%.
- **Time accuracy**..... +/-100ms through synchronisation.

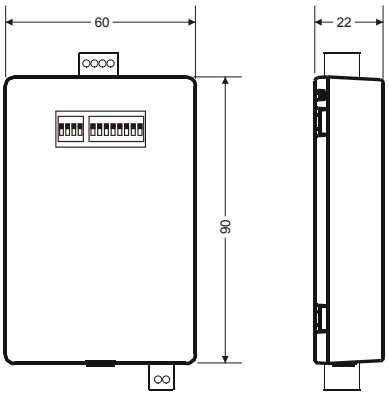
REFERENCES

- **927 223**..... PoE injector
- **927 228**..... Unicast,multicast or DHCP NTP / AFNOR Interface
- **938 914**..... Power supply for installation in trunking box
- **938 916**..... Plug-in adapter









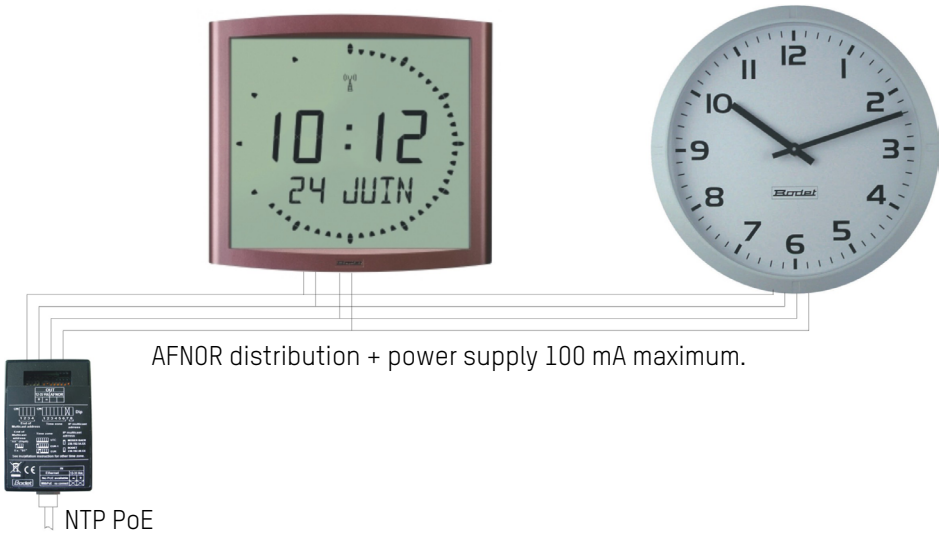
Dimensions in mm

Réf.: 643531 F 12/16

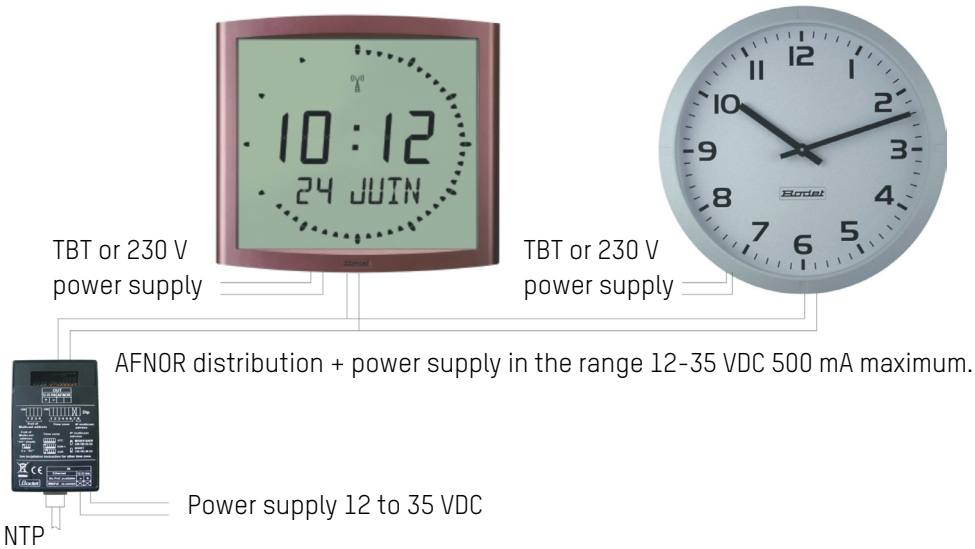
POWER SUPPLY

- In the case of a PoE powered interface, the output power of the interface is limited to 100mA to supply the TBT clocks.
- In a non PoE network, the interface can be power by either a PoE injector or a TBT (12-35 VDC) power supply. (Ref: 927222 only).

NTP POE CLOCK SYSTEM



NO-POE CLOCK SYSTEM (ref : 927222 only)



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