

# INSTALLATION GUIDE PRESS KIT

## Prerequisites :

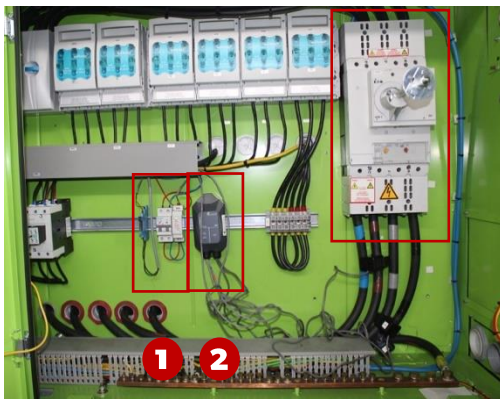
- A 230V 2A circuit breaker.
- Positioning on DIN rail with a minimum size of 8 modules.
- Tools required for the circuit breaker cabling.
- GPRS coverage must be available at the level of the electrical cabinet of the machine.

**Warning:** the operation must be performed on a machine whose power supply has been switched off.

## STEP 1: Installation of the sensor and its power supply

The installation includes fitting of the Tyness, its power supply and a circuit breaker.

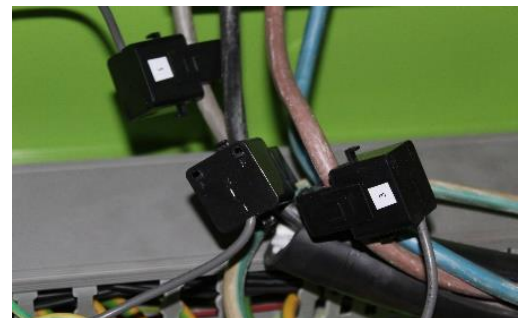
The Tyness should be installed near the general power supply, so as to be able to attach the amperometric clamps to the supply phases.



1. Tyness power supply section
2. Tyness
3. Current measurement on general power supply

## STEP 2: Installation of the amperometric clamps

- The clamps must be connected to the general power supply of the machine upstream from the disconnecter.
- A clamp must be clipped around each supply phase of the machine.
- After the installation, check that the clamps are well attached so that they cannot be opened subsequently.



## STEP 3: Cycle time measurement

In order to measure the cycle time of the machine, it is necessary to detect the dosages. On the majority of the machines, this information is available from the driver of the staining unit. It is also possible to configure one of the automaton outputs of the machine with the aim of supplying this information. The input must be powered in 12 / 24 Volts.

*(Refer to the documentation of the machine for the configuration of the automaton output)*

**If you encounter a problem during your installation, do not hesitate to contact our customer service department at 03 72 58 00 74 or by email at [service.clients@ewattch.fr](mailto:service.clients@ewattch.fr)**