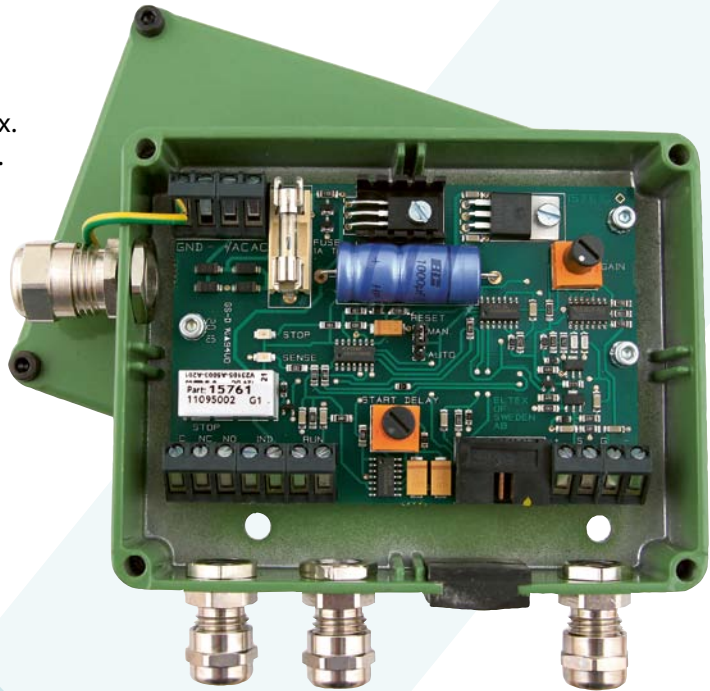


# Central control unit

15761

The 15761 is a central control unit for up to 20 latching yarn sensors. The printed circuit board is fitted in an aluminium box. It requires a low voltage DC or AC supply.



## ■ Application examples

This unit is especially suitable when:

- a small central control unit is desired.
- ANTI-check is desired. The ANTI-check function makes a test on the yarn sensors once after the machine has been started. If any yarn sensor has its switch in the off position and still has a thread or wire moving in the eyelet, the central control unit stops the machine.

The latching system provides correct indication. A stop indication on a yarn sensor remains on until the machine is restarted. It will not indicate stop if the machine stops for another reason.

## ■ Technical features

<b>Supply voltage</b>	18–26 V AC (RMS) 19–28 V DC.
<b>Current consumption</b>	110 mA for central control unit only. For each yarn sensor connected add approx. 25 mA. Fuse 1 A slow.
<b>Inputs</b>	Screw terminal for yarn sensors with normal cable. Connector for yarn sensors with ribbon cable (Vario). Running mode input see overleaf.
<b>Relay contact load</b>	2 x 1 A / 125 V AC or 2 x 2 A / 30 V DC The relay is energized when the machine is running and drops if any of the yarn sensors detects a fault.
<b>Size</b>	120 x 95 x 30 mm



## ■ GAIN potentiometer

With this potentiometer the sensitivity of the yarn sensors can be adjusted. The sensitivity regulation is made by means of a 0–6.5 V DC voltage from the central control unit to the yarn sensors.

## ■ Running mode input

Tells the central control unit whether the machine is running or not. It should be connected to a contact that is closed when the machine is running. The relay will be reset (energized) as soon as this contact is closed.

**Important:** The unit will not work if this connection is not made.

## ■ Start delay function

Will delay the start of the sensing until the machine has started and the thread has reached the necessary speed. The start delay time is adjustable from 0–30 seconds by means of a potentiometer.

## ■ RESET switch

The stop and indication relay can be reset in two different ways depending on the setting of this switch.

**AUTO** The relay will be reset automatically within 1 second after a stop.

**MAN.** The relay will reset when the machine is restarted.

## ■ LED indicators

Located inside the box on the printed circuit board, they will help to check the function of the system.

### Stop LED

Will be on when the central control unit has detected a fault.

### Sense LED

Will turn on as soon as the start delay time has timed out. It will stay on as long as the unit is active and turn off when the unit stops or when the running mode contact opens.

## ■ Connection diagram

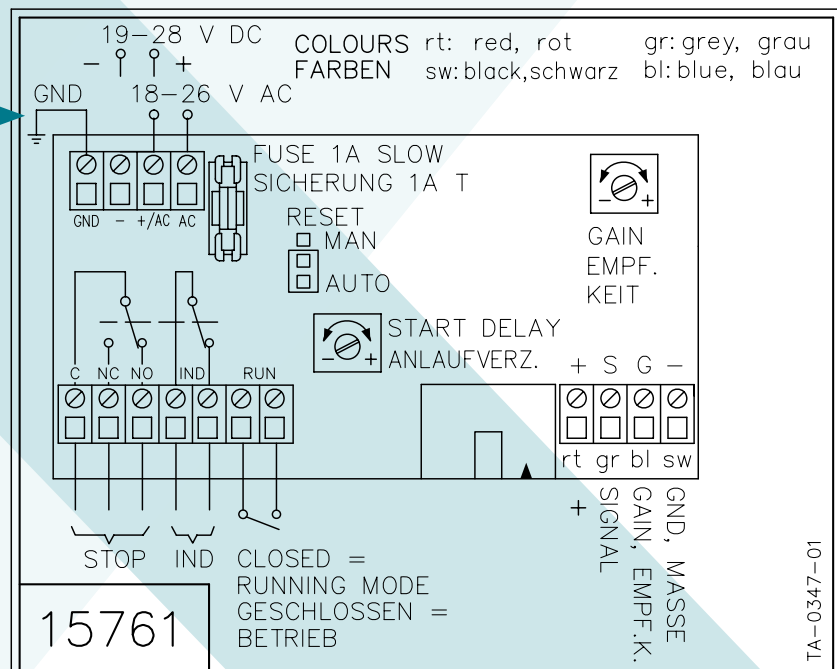
The yarn sensors are connected in parallel to the central control unit. (20 sensors maximum)

**Note:** The relay is shown in stop state.

### IMPORTANT!

Terminal GND must always be connected to ground for correct function.

When AC power is used: the secondary of the transformer **must not** be connected to ground!



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