



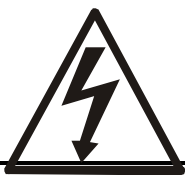
CONTROL BOX

Technical and Operational Documentation
SST-1

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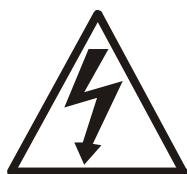
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1. WARNINGS



It is essential to carefully read the safety rules presented below, following which is necessary to avoid electric shock and damage to the control box or devices connected to it.

- To power the control box, use a mains socket with a protective contact and shock protection.



The control box does not have a fuse. A fuse must be placed on the line leading to the control box. SST -1!!!

- Repairs and necessary adjustments to the control box may only be performed by qualified personnel.
- Do not use the control box with part of the housing removed.
- Do not use the control box in an explosive atmosphere.
- Do not use the control box in high humidity areas.
- If you suspect damage to the control box, turn it off and do not use it until it has been checked by a qualified service technician.
- After its useful life, the used control box can be handed over to entities authorized to collect used electronic equipment or to the place of purchase.



In accordance with applicable environmental protection regulations, used electronic devices should not be placed in containers with regular waste.

2. GENERAL INFORMATION

The SST-1 control box is a complete component designed for building dosing or signaling systems that utilize signals sent by scales equipped with optocoupler outputs . The box works with ME-01, ME-11 weighing indicators , and, with the appropriate firmware , ME-02, ME-12, and ME-03.

The control box has a sealed plastic housing. The front panel contains controls for monitoring system operation.

3. CERTIFICATES

The control box has a certificate no. issued by

..... .

The control box has an IP protection class... confirmed by testing

made in

4. COMPLETION

The basic set consists of:

1. SST-1 control box
2. Operation and Maintenance Manual

5. MANIPULATIVE ELEMENTS AND INDICATORS



switch	0 1	- power on/off switch
button	TARE	- taring (entering the packaging weight subtracted from the weighed weight)
button	STOP	- immediate stop of dosing
button	START (WORK)	- start dosing
indicator	POWER SUPPLY	- power on indicator
indicator	WORK	- signals continued dosing.
indicator	READY	- dispensing readiness indicator
indicator	BLOCKADE	- end of dosing indicator

6. TECHNICAL DESCRIPTION

6.1. Description of operation

Connecting the SST-1 input to the scale's optocoupler outputs and turning on the SST-1 power supply with the 0/1 switch makes the SST-1 ready to start the work cycle.

The work cycle is initiated by pressing the START button and lasts until the opening pulse on the P1 optocoupler output of the scale (until the threshold weight value on the scale is exceeded) or it can be interrupted by pressing the STOP button.

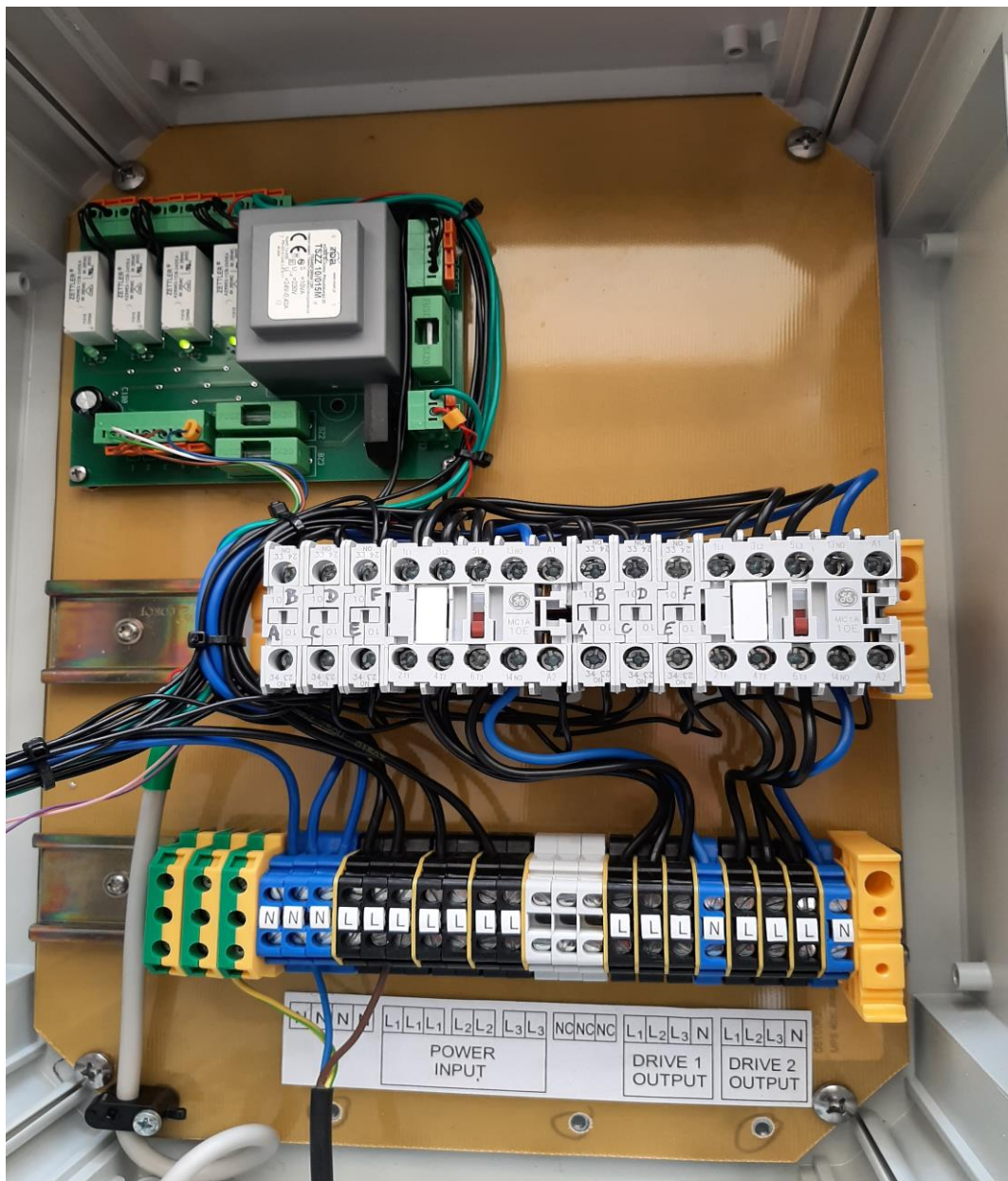
The ongoing work cycle is signalled by the WORK indicator.

The TARE button is used to tare the scale.

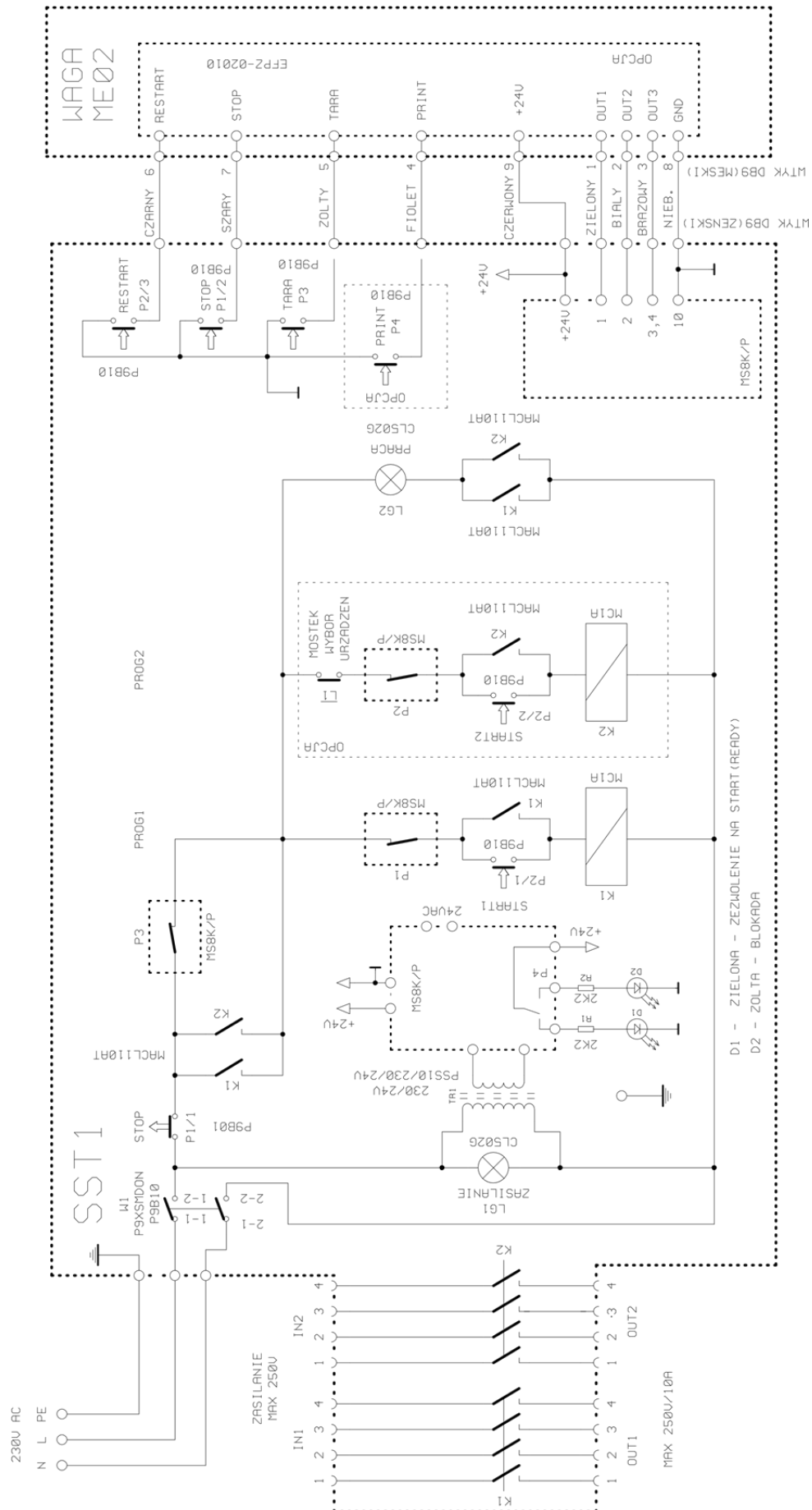
The READY indicator signals readiness for the next work cycle.

The LOCK indicator (yellow light) is blocking operation – this is most often caused by residue on the pan. Tare.

6.2. Interior view



6.3. SST-1 electronic diagram



6.4. Technical data

Parameter	Value
Protection level	IP65
Housing material	material
Power supply	single-phase: 1 x ~230V 50Hz (L 1,N) 1 x 1380VA or three-phase: 3 x ~230V 50Hz (L 1,L 2,L3,N) 3 x 1380VA
Maximum self-consumption (no load OUTPUT DRIVE 1)	15VA (L 1,N)
Output load capacity (DRIVE OUTPUT 1)	~230V 6A
Dimensions	238x182x77mm
Mounting	4 holes $\phi 5$, spacing 164x240mm
Mass	5kg

7. INFORMATION ABOUT CONNECTORS

All inputs and outputs are implemented on standard threaded connectors with descriptions printed on self-adhesive paper.

7.1 The supply line is marked as:

Name	Designation	Connector color	Number of connectors
INPUT POWER	L1 (phase)	black color	4
	L2 (phase)	black color	4
	L3 (phase)	black color	4
	N (zero)	blue color	4
	PE (grounding)	yellow-green color	4

7.2 Output line

Name	Designation	Connector color	Number of connectors
EXIT DRIVE 1	L1, L2 , L3 (phases)	black color	2
	N (zero)	blue color	2
	PE (grounding)	use connectors INPUT POWER	

8. MAINTENANCE AND REMOVAL OF MINOR DAMAGE

1. The SST-1 control box must be kept clean.
2. Any repairs by unauthorized persons are prohibited.
3. To repair the scale, please contact the nearest authorized service center.