

Manufacturer's Specifications

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4.2 Indicator Lights in the Crane Operator's Cab (Z 155 512)

Item	Element	Function
55	(H700)	Load limit device bridged
56	(H701)	Hoist limit switch bridged
57	(H703)	Telecontrol bridged
58	(H705)	Raise luffing gear function bridged
59		Dummy plate
60		Wind speed indicator (optional)
61		Dummy plate
62		Dummy plate
63	(H63)	Counterweight pin locked
64	(H62)	Counterweight unpinned
65	(H61)	Counterweight position
66		Working pressure gauge
67	(H101)	Engine fault*
68	(H101.1)	Engine fault buzzer signal
69		Dummy plate
70	(H 192)	Superstructure operation



The fitting location of the displays in your crane may differ from the location shown here. The function of each display should always be determined by the symbol on the display (see Section 3 for symbols).

- * When the buzzer signal starts to sound and the indicator light "engine malfunction" (**67**, H 101) lights up, there is a malfunction in the engine. In order to localise the malfunction, you must check the indicator lights in the chassis cab.
If no indicator light comes on, the hydraulic oil temperature is too high ($> 85^{\circ}\text{C}$).

9.2.2 3.2t Counterweight Combination (12t Axle Load Version) (Z 155 529)(Z 155 570)

1. The upper weights (2.2 t, 1) are generally bolted permanently to the superstructure frame.
2. The auxiliary weight (0.35 t, 2) is bolted permanently to the superstructure frame.
3. In drive mode configuration the auxiliary weight (0.65 t, 5) is placed on the chassis.

3.1 Manual Pin Locking

For the operating mode configuration, the auxiliary weight (0.65 t; 5) must be raised by means of the counterweight cylinders and pin locked.

As soon as the counterweight cylinders are in position, indicator light (65, H 61, Counterweight "in position") comes on.

The counterweight must then be pin locked manually.

As soon as the counterweight is completely pin locked and secured, the lift cylinder retracts.

3.1.1 Retract lift cylinder

- 3.1.2 The procedure for removing the auxiliary weight (0.65 t; 5) is essentially the reverse of the above procedure.

10.5 Service and Maintenance

Maintenance of the load limit device includes the following work:

- 1.) Checking all cable connections in the system.
Damaged cables must be replaced immediately.
- 2.) Checking the insulation of the length transmitter cables and cable guides.
Worn insulation and damaged cable guides must be replaced.
- 3.) Checking that the hoist limit switches operate smoothly.
- 4.) Checking that the cable drums are adequately pre-tensioned.
- 5.) Checking the pressure contact on the luffing cylinders and the connection hoses for oil leaks.



Personnel without special training may correct the faults listed in the maintenance chart only. They must not replace any defective mechanical components or cables.

Programming start of heating

3 switch-on times within the following 24 hours or one switch-on time in 7 days can be programmed.

Only one switch-on time can be activated at a time.

1. Selecting and activating memory:

(starting from neutral status with display visible)

First memory - press **[P]** once.

Memory display: 1 (default setting 12:00)

Second memory - press **[P]** twice.

Memory display: 2 (default setting 12:00)

Third memory - press **[P]** once.

Memory display: 3 (default setting 12:00)

Neutral status - no memory activated.

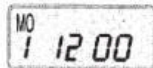
Press **[P]** repeatedly until the memory display disappears.

2. Start of heating within 24 hours

Set the program day:

The correct program day is automatically displayed - no adjustment necessary.

Set the program time:



Press **[P]** repeatedly until the desired memory display (1, 2, 3) begins to flash.

Briefly press and then release **[←]** or **[→]**.

The program time flashes.

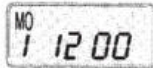
Then set the program time for heating using **[←]** or **[→]**.

Setting is only possible if the program time is flashing.

To select another memory: press **[P]**.

3. Start of heating after 24 hours (max. 7 days)

Set the program time:



Press **[P]** repeatedly until the desired memory display (1, 2, 3) begins to flash.

Briefly press and release **[←]** or **[→]**.

The program time flashes.

Then set the program time for heating using **[←]** or **[→]**.

Set the program day:

The program day begins to flash approx. 5 seconds after the program time has been set.

Then set the program day for heating using **[←]** or **[→]**.

The program time and program day are stored when the time display disappears or when the current time appears.

The memory display indicates the activated memory.

The flashing heating-on symbol (**[H]**) also indicates that a memory has been activated.

4. Checking activated memory:

The program time of the displayed memory is displayed for approx. 5 seconds. The display then disappears or the current time is displayed (if the time trigger is "ON").

The program time display together with the program day can then be called up by pressing **[P]** once for 5 seconds.

Temperature display

If an ambient temperature sensor is connected (order No. 25 1482 89 41 00) and the time trigger is activated, the temperature can be permanently displayed by pressing **[T]** once. If the time trigger is deactivated, the time temperature is displayed for 15 seconds by pressing **[T]** twice.

Please note!

Voltage dips are bridged by the heating time switch. After voltage failures, all elements of the display flash. Complete resetting is necessary.

If the time trigger is activated, the current time and weekday are displayed permanently. If the time switch is deactivated, the display disappears after 15 seconds.

The remote control can also be operated with the use of an additional unit (receiver module).

If a fault occurs when the heating is switched on and the diagnostic circuit is connected, the operating display shows a flashing **[H]** and the fault code no. is displayed (contact the workshop).

On tanker vehicles, equipped in accordance with TRS 003, the timer is used purely to switch the heating on and off. The time does not have to be reset to start up the system. The heating system can be switched on continuously or for a fixed period as described on Page 1.

Statutory regulations prohibit the following functions from being activated:

1. Programming of heating times with the time switch
2. Operation using the remote control unit
3. Connection of the ambient temperature sensor

If faults occur, we recommend the following:

Switch off and on again (max. twice) / Check the main fuse / Check the air channels for blockages / Consult a workshop.

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