

PROGRAM DESCRIPTION

TAD 3

Program: T119A230

This description is valid for:

Weight indicator **TAD 3** with application program **T119A230**

See also the following descriptions

Weight indicator TAD 3, Technical Manual

Weight indicator TAD 3, Operating instructions, Quick installation

If these descriptions in any case are contradictory, this description is valid.

Option codes

This program requires program option code(s) for

07: Option 7

General

This special program is used for weight control. The actual weight is compared to a selectable nominal weight with a plus and minus tolerance.

If the weight is within tolerance then an output is activated for a short time, if not another output activated for a short time.

Weighing sequence

See fig.1 electrical connection.

Preselection:

- Scale shows zero.
 - Put a master weight on the scale, push button 'STORE.W' then the nominal weight is stored in the instrument.
 - Remove the master weight.
- (It's also possible to enter the nominal weight manually. (Via Level 1))
- Enter 'Minus tolerance' (Level 2). NOTE. Dash (minus) should be entered before the value.
 - Enter 'Plus tolerance' (Level 3).
 - Enter 'Object on scale' (Level 8). Detect that an object is on the scale.

Sequence:

1. Sequence starts when input check weighing is activated.
2. An object is placed on the scale.
(Detected via 'Object on scale' (Level 8))
Timeout starts (if selected)
3. If the weight is stable then it's compared to nominal weight with plus and minus tolerance.
 - 4.1 Weight within tolerance then output 'special 2' is activated for 250 ms.
Automatic tare (if selected).
Go to 2, Wait for a new object.
 - 4.2 Weight NOT within tolerance then output 'special 1' is activated for 250 ms.
Output 'batching alarm' activated.
Go to 2, Wait for a new object.

Reset of alarm outputs:

Input 'special 1' or button 'RESET, ' reset of output 'batching alarm' (tolerance alarm)

Input 'special 2' reset of output 'batching stopped' (timeout alarm)

Function keys

Function key 'STORE W' When weight is stable (motion control= on) and input check weighing not active, then a new value will be stored. (to level 1).

Function key 'RESET.' reset of tolerance alarm



View Operation

Levels

The program uses following levels.

Level 1 = Nominal weight

Level 2 = Minus tolerance NOTE. Dash (minus) should be entered before the value.

Level 3 = Plus tolerance

Level 8 = Object on scale

Input 11

When input is active then the sequence starts and continues until it's not active. All check weighing outputs with the exception of tolerance alarm, is deactivated when input 11 are not active.

Set-up parameters

Modified parameters

Menu 'General'

Display info

[5] Special
<Special>

Modbus: 41004 (46004)

New choice.

Special: Viewing stored nominal weight.(Level 1)

Menu 'Inputs'

Input 12 use

[17] Special 1
<Special 1>

Modbus: 41216 (46216)

New choice.

Special 1: Reset of output 'batching alarm'
(tolerance alarm).

Menu 'Inputs'

Input 13 use

[18] Special 2
<Special 2>

Modbus: 41218 (46218)

New choice.

Special 2 Reset of output 'batching stopped'
(timeout alarm).

Menu 'Outputs'

Output 11 use

[18] Batch. alarm
< Batch.
alarm >

Modbus: 41250 (46250)

Modified choice.

Batch. alarm: Output active as a *tolerance alarm*.

Menu 'Outputs'

Output 12 use

[17] B. stopped
< B. stopped >

Modbus: 41252 (46252)

Modified choice.

B. stopped: Output active as a *timeout alarm*.

Menu 'Outputs'

Output 17 use

[20] Special 1
<Special 1>

Modbus: 41262 (46262)

New choice.

Special 1: Active output puls (250ms) means
NOT passed.

Menu 'Outputs'

Output 18 use

[21] Special 2
<Special 2>

Modbus: 41264 (46264)

New choice.

Special 2: Active output puls (250ms) means *passed*

Changed default values

Menu 'General'

Language

Modbus: 41000 (46000)

[0] Svenska
<Svenska>

Default value changed.

Menu 'Level superv.'

Level 1 and 8 source

[3] Disp. weight
< Disp. weight >

Default value changed.

Menu 'Level superv.'

Level. 2 and 3 source

[10] Offset lev.1
< Offset lev.1>

Default value changed.

Menu 'Level superv.'

Level. 1, 2, 3, 8 hyst.

Range: +/- 999999
<0>

Default value changed.

Menu

'Calibr.parameters'

Motion check

On
<On>

Modbus: 41046 (46046)

Default value changed.

New parameters

Menu 'Spec. menu'

Auto tareing

Range:
0 – 1
<1>

Modbus: 41338 (46338)

Automatic tare after a sequence. If (motion check = on) then weight must be stable before auto tare is performed.
1 = On.
0 = Off

Menu 'Spec. menu'

Timeout value

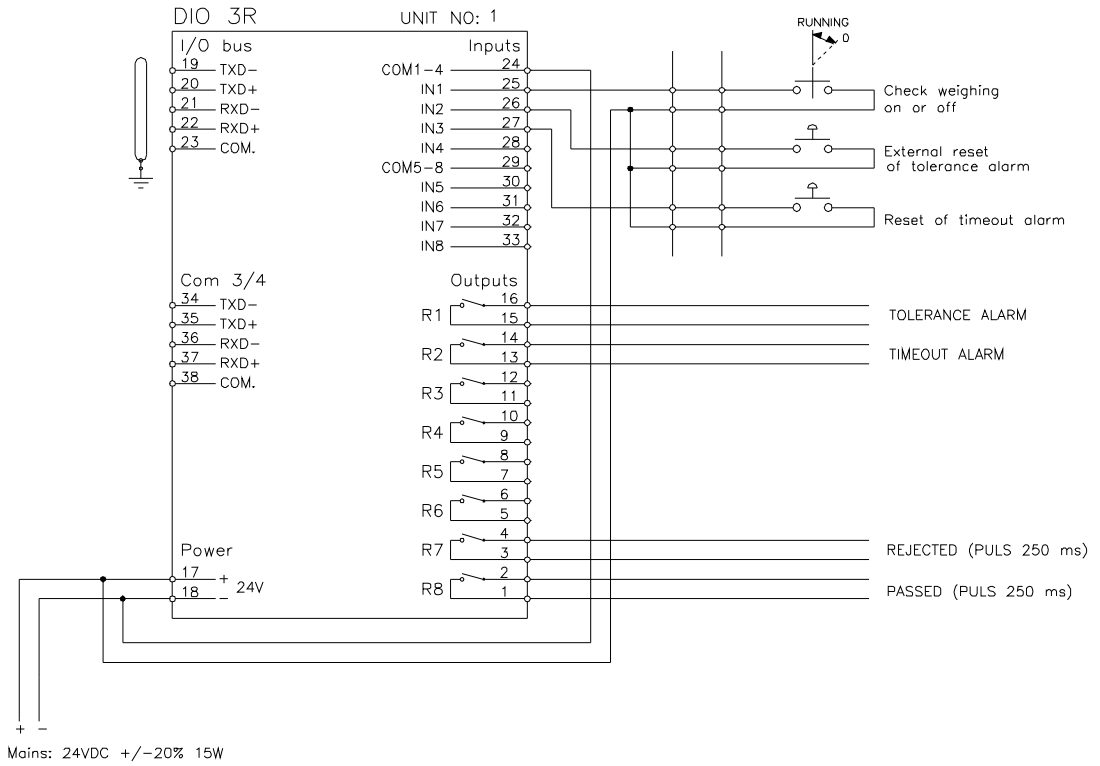
Range:
Unit: sec.
0 – 9999
<0>

Modbus: 41340 (46340)

Longest allowed time for a sequence. The timeout starts again when a new sequence starts or a timeout alarm is reset.
0 = No control.

Electrical connection

Fig.1



Document no. 35066

T119V2E

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