

Description of Application Software

General: network based blocking of manual switch

LF-DO4 | P/N 1108521321 | 24 V AC/DC

LF-DO4-IP | P/N 1108521321IP | 24 V AC/DC

ProgramID: 90:00:00:00:00:0A:04:93

LRAS 4/21 | P/N 1104021321 | 24 V AC/DC

LDO 4 | P/N 1104021321-US | 24 V AC/DC

LRAS 4/21 IP65 | P/N 1104021321IP | 24 V AC/DC

ProgramID: 90:00:00:00:00:8A:04:93



Quick facts

The application allows for network based switching of actors.
The manual switches can be blocked by network variables as addition to the standard software.

Description of Application Software

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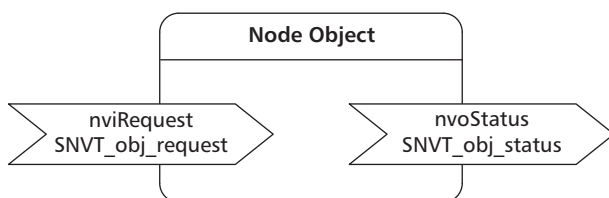
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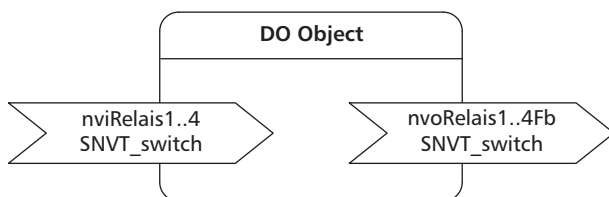
LRAS 4/21 | LDO 4 | LRAS 4/21 IP65 24 V AC/DC
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Function:

The application allows for network based switching of actors. The manual switches can be blocked by network variables as addition to the standard software.



The Node Object monitors and controls the functions of the different objects in the device. It supports only the basic functions required by LonMark.



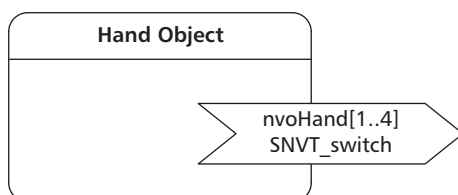
nviRelais1..4 SNVT Type SNVT_switch

By the variables nviRelais1..4 the respective relay is switched on at a value x.x 1 and switched of at a value x.x 0. Only the State part of the SNVT_switch variables is analysed.

nvoRelais1..4Fb SNVT Type SNVT_switch

The output variables are issued after a change of the relay states and a corresponding setting in ncilnv1..4. When Relais1..4 are activated the value of the State part of the SNVT_switch variables is set. The value part is taken from the input variables nviRelais1..4.

Example: relay1 activated, ncilnv1 = ST_OFF; nvoRelais1Fb = x.x 1
relay1 activated ncilnv1 = ST_ON; nvoRelais1Fb = x.x 0



nvoHand[1..4] SNVT Type SNVT_switch

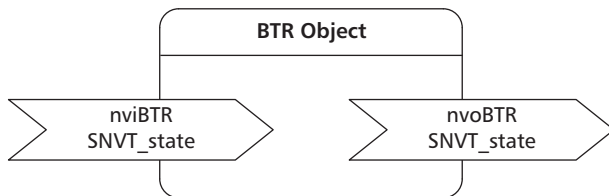
Signal as to the position of the manual switches.

Automatic: nvoHand[1..4] = 100.0 1

Position "0" or "1": nvoHand[1..4] = 0.0 0

Description of Application Software

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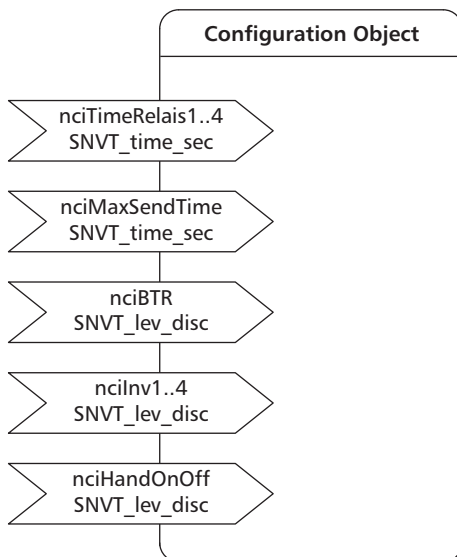
nviBTR SNVT Type SNVT_state

System object for BTR LON door installation modules for easy connection with the group indicator module LM1.
Is only active if nciBTR = ST_ON.

Bit0..8 not used
 Bit9 at automatic operation in the system = 1; at manual operation in the system = 0
 Bit10 = 1 relay 2 activated; = 0 relay 2 dropped off (unlocking)
 Bit11 = 1 relay 1 activated; = 0 relay 1 dropped off (unlocking)
 Bit12 = 1 relay 3 activated; = 0 relay 3 dropped off (unlocking)
 Bit13 = 1 relay 4 activated; = 0 relay 4 dropped off (unlocking)
 Bit14..15 not used

nvoBTR SNVT Type SNVT_state

Feedback to nviBTR. The value of nviBTR is relayed.



nciTimeRelais1..4 SNVT Type SNVT_time_sec

Wipe function. The respectively activated relay only drops off after the preset time.
 Value range: 0 = wipe function deactivated (factory setting)
 1 .. 6553 = wipe time in seconds

nciMaxSendTime SNVT Type SNVT_time_sec

The output variables described above are issued even without change after a preset period of time.
 Value range: 0 = function deactivated
 1 ... 6553 = timer time in seconds

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nciBTR **SNVT Type SNVT_lev_disc**

Activation of the BTR object.

nciBTR = ST_ON: nviBTR is used. Relay contact 41-44 is closed at Reset 1 s. (unlocking)

nciBTR = ST_OFF: nviBTR is not used

ncilnv1..4 **SNVT Type SNVT_lev_disc**

The output variables are issued depending on the setting in ncilnv1..4.

Example: relay1 activated, ncilnv1 = ST_OFF; nvoRelais1Fb = x.x 1 or BTR.bit0 = 1

 relay1 activated, ncilnv1 = ST_ON; nvoRelais1Fb = x.x 0 or BTR.bit0 = 0

nciHandOnOff **SNVT Type SNVT_lev_disc**

Activation of manual switches.

nciHandOnOff = ST_ON: manual operation is possible

nciHandOnOff = ST_OFF: manual operation is not possible