

[R1 configuration] r / - Menu**Access**

[Complete settings] → [Input/Output] → [Relay] → [R1 configuration]

[R1 Assignment] r /

R1 assignment.

Setting	Code / Value	Description
[No]	<i>n o</i>	Not assigned
[Operating State Fault]	<i>F L t</i>	Operating state fault Factory setting
[Drive Running]	<i>r u n</i>	Drive running
[Mot Freq High Thd]	<i>F t R</i>	Motor frequency threshold ([Motor Freq Thd] <i>F t d</i>) reached
[High Speed Reached]	<i>F L R</i>	High speed reached
[Current Thd Reached]	<i>C t R</i>	Motor current threshold ([High Current Thd] <i>C t d</i>) reached
[Ref Freq Reached]	<i>S r R</i>	Frequency reference reached
[Motor Therm Thd Reached]	<i>t S R</i>	Motor thermal threshold ([Motor Therm Thd] <i>t t d</i>) reached
[PID Error Warning]	<i>P E E</i>	PID error warning
[PID Feedback Warning]	<i>P F R</i>	PID feedback warning
[Mot Freq High Thd 2]	<i>F 2 R</i>	Second frequency threshold ([Freq. threshold 2] <i>F 2 d</i>) reached
[Drv Therm Thd Reached]	<i>t R d</i>	Drive thermal threshold reached
[Ref Freq High Thd Reached]	<i>r t R H</i>	Frequency reference high threshold reached
[Ref Freq Low Thd Reached]	<i>r t R L</i>	Frequency reference low threshold reached
[Mot Freq Low Thd]	<i>F t R L</i>	Frequency low threshold ([Low Freq. Threshold] <i>F t d L</i>) reached
[Motor Freq Low Thd 2]	<i>F 2 R L</i>	Second frequency low threshold ([2 Freq. Threshold] <i>F 2 d L</i>) reached
[Low Current Reached]	<i>C t R L</i>	Current low threshold ([Low I Threshold] <i>C t d L</i>) reached
[Process Undld Warning]	<i>u L R</i>	Underload warning
[Process Overload Warning]	<i>o L R</i>	Overload warning
[Forced Run]	<i>E r n</i>	Emergency Run
[Slack Rope Warning]	<i>r S d R</i>	Rope Slack
[High Torque Warning]	<i>t t H R</i>	High torque threshold
[Forward]	<i>F F r d</i>	Run forward
[Reverse]	<i>R r r S</i>	Run reverse
[HMI Cmd]	<i>b n P</i>	Control via the Graphic Display Terminal is active. (only active with Local/Remote button)
[Ramp switching]	<i>r P 2</i>	Ramp switching state
[Mot2 Therm Thd reached]	<i>t S 2</i>	Motor 2 thermal threshold (TTD2) reached
[Mot3 Therm Thd reached]	<i>t S 3</i>	Motor 3 thermal threshold (TTD3) reached
[Mot4 Therm Thd reached]	<i>t S 4</i>	Motor 4 thermal threshold (TTD4) reached
[Neg Torque]	<i>R t S</i>	Actual torque sign
[Cnfg.0 act.]	<i>C n F 0</i>	Configuration 0 active
[Cnfg.1 act.]	<i>C n F 1</i>	Configuration 1 active
[Cnfg.2 act.]	<i>C n F 2</i>	Configuration 2 active
[Configuration 3 Active]	<i>C n F 3</i>	Configuration 3 active
[set 1 active]	<i>C F P 1</i>	Parameter set 1 active
[set 2 active]	<i>C F P 2</i>	Parameter set 2 active
[set 3 active]	<i>C F P 3</i>	Parameter set 3 active
[DC Bus Charged]	<i>d b L</i>	DC bus charged
[In braking]	<i>b r S</i>	In braking sequence

Setting	Code / Value	Description
[Power removal state]	<i>P r Π</i>	Power removal state. Without power supply, the information cannot be delivered. With this setting value, the power supply must be not external.
[Pulse Warn Thd Reached]	<i>F 9 L R</i>	Pulse warning threshold reached
[I present]	<i>Π C P</i>	Motor current present
[Limit Switch Reached]	<i>L S R</i>	Limit switch function activated
[Dynamic Load Warning]	<i>d L d R</i>	Dynamic load detection
[Warning Grp 1]	<i>R G 1</i>	Warning group 1
[Warning Grp 2]	<i>R G 2</i>	Warning group 2
[Warning Grp 3]	<i>R G 3</i>	Warning group 3
[Warning Grp 4]	<i>R G 4</i>	Warning group 4
[Warning Grp 5]	<i>R G 5</i>	Warning group 5
[External Error Warning]	<i>E F R</i>	External error warning
[Undervoltage Warning]	<i>u S R</i>	Undervoltage warning
[Preventive UnderV Active]	<i>u P R</i>	Undervoltage prevention warning
[Slipping warn]	<i>R n R</i>	Anti-veering warning
[Drive Thermal Warning]	<i>t H R</i>	Drive thermal state warning
[Load Mvt Warn]	<i>b S R</i>	Brake speed warning
[Brake Contact Warn]	<i>b C R</i>	Brake contact warning
[Lim T/I Reached]	<i>S S R</i>	Torque current limitation warning
[Trq ctrl Warning]	<i>r t R</i>	Torque control time-out warning
[IGBT Thermal Warning]	<i>t J R</i>	Thermal junction warning
[BR Temp Warning]	<i>b a R</i>	Braking resistor temperature warning
[DBR Active]	<i>b r R 5</i>	DBR Active
[AI3 4-20 Loss Warning]	<i>R P 3</i>	AI3 4-20 mA loss warning
[AI4 4-20 Loss Warning]	<i>R P 4</i>	AI4 4-20 mA loss warning
[AI5 4-20 Loss Warning]	<i>R P 5</i>	AI5 4-20 mA loss warning
[Ready]	<i>r d Y</i>	Ready to start
[AI1 4-20 Loss Warning]	<i>R P 1</i>	AI1 4-20 mA loss warning
[AI1 Th Warning]	<i>t P 1 R</i>	Thermal 1 alarm
[Fallback speed]	<i>F r F</i>	Reaction on event / fallback speed
[Speed Maintained]	<i>r L S</i>	Reaction on event / maintain speed
[Per Type of Stop]	<i>S t t</i>	Reaction on event / stop on STT without an error triggered after stop.
[AI3 Th Warning]	<i>t P 3 R</i>	Thermal 3 warning
[AI4 Th Warning]	<i>t P 4 R</i>	Thermal 4 warning
[AI5 Th Warning]	<i>t P 5 R</i>	Thermal 5 warning
[AI5 4-20 Loss Warning]	<i>R P 5</i>	AI5 4-20 mA loss warning
[Pos. Target Reached]	<i>P P W 5</i>	Position target reached
[Temp Sens AI2 Warn]	<i>t S 1 R</i>	Temperature sensor AI1 warning (open circuit)
[Temp Sens AI3 Warn]	<i>t S 3 R</i>	Temperature sensor AI3 warning (open circuit)
[Temp Sens AI4 Warn]	<i>t S 4 R</i>	Temperature sensor AI4 warning (open circuit)
[Temp Sens AI5 Warn]	<i>t S 5 R</i>	Temperature sensor AI5 warning (open circuit)

[R1 Delay time] r / d

R1 activation delay time.

The state modification takes effect once the configured time has elapsed when the information becomes true.

The delay cannot be set for the **[Operating State Fault] F L E** assignment; and remains at 0.

Setting	Description
0...60,000 ms	Setting range Factory setting: 0 ms

[R1 Active at] r / S

R1 status (output active level).

Setting	Code / Value	Description
1	P o S	State 1 when the information is true Factory setting
0	n E G	State 0 when the information is true

Configuration **[1] P o S** cannot be modified for the **[Operating State "Fault"] F L E** assignment.

[R1 Holding time] r / H

R1 holding delay time.

The state modification takes effect once the configured time has elapsed when the information becomes false.

The holding time cannot be set for the **[Operating State "Fault"] F L E** assignment, and remains at 0.

Setting	Description
0...9,999 ms	Setting range Factory setting: 0 ms

[R2 configuration] r 2 - Menu**Access**

[Complete settings] → [Input/Output] → [Relay] → [R2 configuration]

About This Menu

Identical to [R1 configuration] r 1 - Menu (*see page 483*).

[R2 Assignment] r 2

R2 assignment.

Identical to [R1 Assignment] r 1 (*see page 483*) in addition to:

Setting	Code / Value	Description
[No]	n o	Not assigned Factory setting
[Brake Sequence]	b L C	Brake sequence
[Mains Contactor]	L L C	Mains contactor control
[DC charging]	d C o	DC charging
[Output cont]	o C C	Output contactor control.

[R2 Delay time] r 2 d

R2 activation delay time.

[R2 Active at] r 2 5

R2 status (output active level).

[R2 Holding time] r 2 H

R2 holding delay time.