

LIFTSCANNER V1.0

Operate elevators independently without using your hands

This module lets you control 8 relays using GEWA infrared signals, making it possible for people with physical disabilities to operate the buttons of an existing elevator.

The scanner offers the following control options:

1. Scanning function using a single GEWA (32) IR Red3 button 1
2. Direct control with 8 programmable GEWA IR channels (expandable by another 8 channels if needed)
3. Direct alarm call via any GEWA channel
4. Alarm call by scanning function GEWA (32) Red3 button 1
5. Alarm calls can be canceled in both scan and direct modes

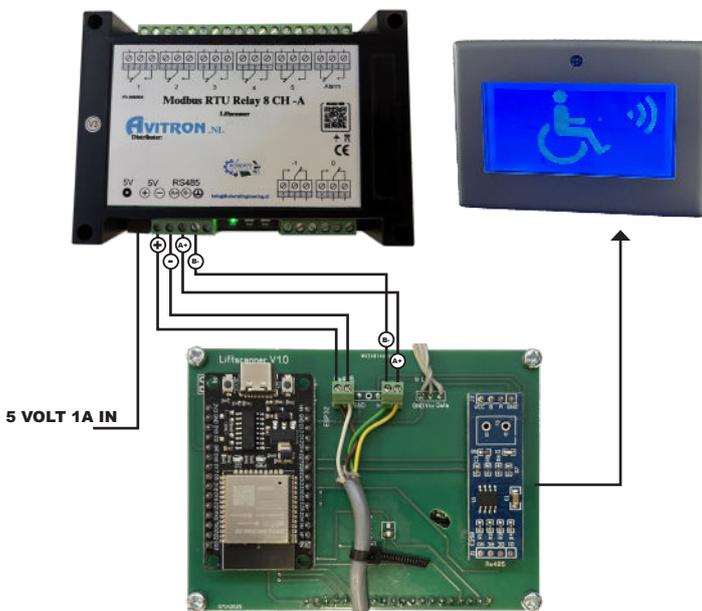
Any device (environmental control and/or Assistive Communication, EC and/or AC) that can transmit standard GEWA infrared codes is compatible with the lift scanner.

Installation

The scanner is installed inside the elevator cab so the user has a clear view of the screen. The 4-core cable connects to the scanner/display terminal block (see diagram). The provided MODbus relay box is mounted on top of the elevator cab.

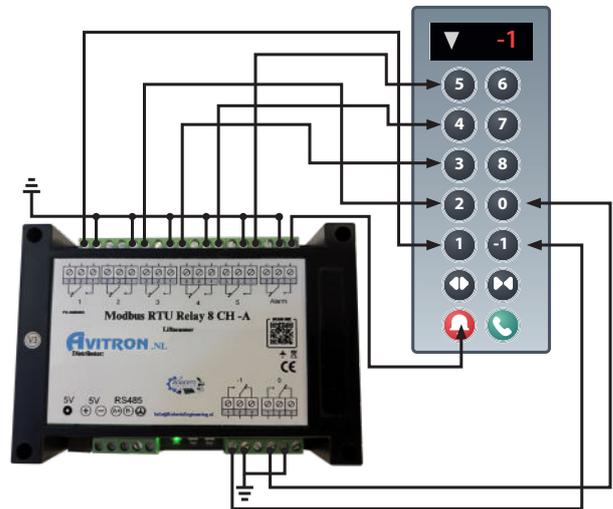
Power Supply:

- Adapter from 230 Volt AC to 5 Volt/1A DC or
- Direct 5 Volt/1A DC supply via the elevator, if available



MODbus Relay Box Connections

- The MODbus relay box has 8 NO-NC potential-free changeover contacts.
- The input voltage must not exceed 5.5 Volts.
- Connect this to the DC power input.
- Refer to the elevator documentation or manufacturer to determine which type of contact can be connected to the elevator buttons.
- Some systems use a shared GND; if so, the Common can be connected centrally.
- In this case, the contacts should be pulled to GND.
- Connect the buttons according to the diagram below.
- If no central GND is used, each GND must be led individually to each button.



GEWA Infrared Channels:

The lift scanner responds to the following GEWA Infrared channels. See the table below.

Page	Button	Function	Extra info
Red3	1 (GEWA32)	Scan & select	Alarm
Red/ Green	All buttons (GEWA 00-127)	Alarm & Cancel	Program- mable
Green3	D (GEWA127)	Go to settings menu	Pincode = 3 3 9 9 (GEWA114- 114-120-120)
Green3	1,2,3,4,5,6,7,0,* (GEWA 112-113-114- 115-116-117-118-119- 120-121-122)	Menu options & back	----
Red/ Green	All buttons (GEWA 00-111 except 62)	Direct selection relays 1 to 8 (can be expanded by 8 more)	Except Green3 (GEWA 112 to 127), Red4 C (GEWA 62)

Relay	Function	Infrared code	Additional Info
1	Floor 1	Random	---
2	Floor 2	Random	---
3	Floor 3	Random	---
4	Floor 4	Random	---
5	Floor 5	Random	---
6	ALARM 6	Random	Always Alarm /elevator
7	Floor 0	Random	Always to 0 /elevator
8	Floor -1	Random	Always to -1 /elevator



Programming

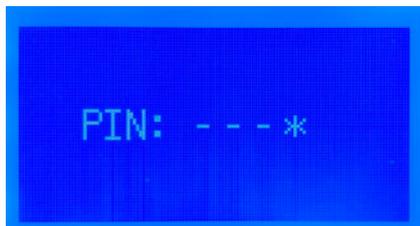
The lift scanner can be easily configured with a GEWA Control Prog < art. 4257-00> environmental control transmitter.

Settings for Use:

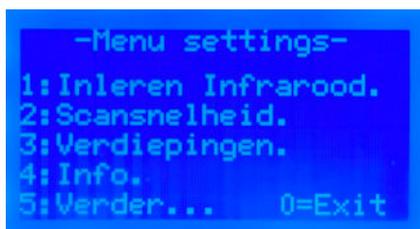
Set up the settings as follows.

1. On the Gewaprog, go to **Green3** and press button **D**. (**GEWA127**)
2. A screen will now appear asking for **PIN** -----.
3. Enter PIN code 3399 using the Gewa Green3 buttons 1 through 9. (**GEWA 112-120**)

⚠ NOTE: Please do this calmly and carefully.

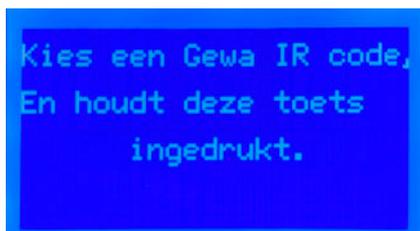


Enter PIN 3 3 9 9 in.

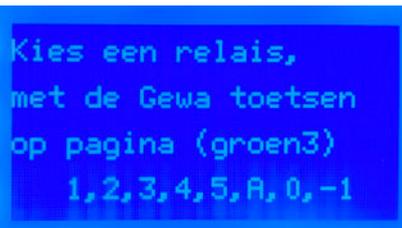


Step 1: Program Infrared

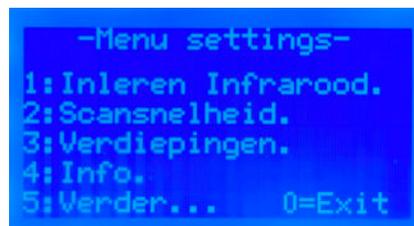
On this screen, first select 1: Program Infrared



Select a GEWA channel to send a command.

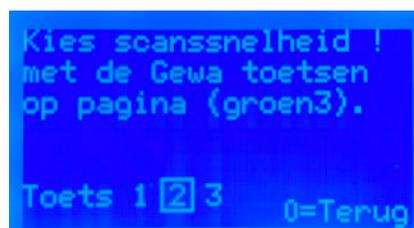


Now choose a Relay with the GEWA.

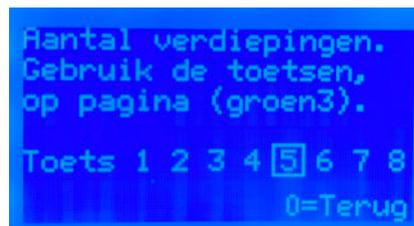


Once relay 1 is programmed, you'll return to the main screen. Repeat this for all 8 relays.

Step 2: Set Scan Speed Now select 2: Scan Speed.

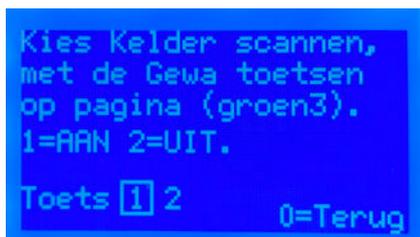


Choose the scan speed in this screen: 1, 2, or 3. This sets how quickly scanning happens in scan mode. (1 = slow / 3 = fast)



Step 3: Number of Floors

Select option 3 in the settings menu to set the number of floors. The floors are counted from the **Ground floor (0)**.



Select this option on the screen:
-Number of Floors-, then choose **7:Basement**.

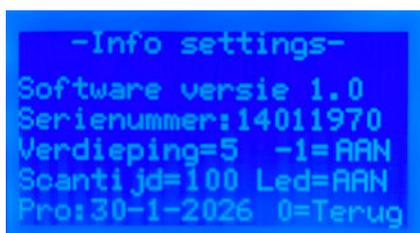
Here, use option **1 (yes) or 2 (no)** to decide whether or not the basement should be included in scan mode.

⚠ ATTENTION! All these settings are adjusted using the GREEN3 page buttons 1,2,3,4,5,6,7,8,9,0,*,D (GEWA112-127)

SEE THE FULL CHANNEL OVERVIEW AT THE BOTTOM OF THIS PAGE.

Information Screens

The following information can still be accessed.
Select option 4 from the main menu..



Info screen



Main screen while waiting for signal (Standby).



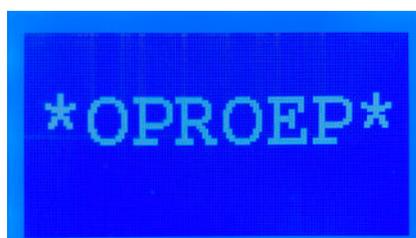
Screen for immediate floor selection.



Screen for scan selection.



Alarm selection screen. If an alarm is triggered, it can be canceled within 10 seconds.



After 10 seconds, Relay 6 will activate for 5 seconds. Then the system automatically returns to standby.

GEWA LINK CHANNELS										
PAGES 1-5 (RED INDICATOR LIGHT)						PAGES 6-10 (GREEN INDICATOR LIGHT)				
BUTTON	1	2	3	4	5	6	7	8	9	10
1	0	16	32	48	64	80	96	112	128	144
2	1	17	33	49	65	81	97	113	129	145
3	2	18	34	50	66	82	98	114	130	146
4	3	19	35	51	67	83	99	115	131	147
5	4	20	36	52	68	84	100	116	132	148
6	5	21	37	53	69	85	101	117	133	149
7	6	22	38	54	70	86	102	118	134	150
8	7	23	39	55	71	87	103	119	135	151
9	8	24	40	56	72	88	104	120	136	152
0	9	25	41	57	73	89	105	121	137	153
*	10	26	42	58	74	90	106	122	138	154
#	11	27	43	59	75	91	107	123	139	155
A	12	28	44	60	76	92	108	124	140	156
B	13	29	45	61	77	93	109	125	141	157
C	14	30	46	62	78	94	110	126	142	158
D	15	31	47	63	79	95	111	127	143	159

