

## IRE-U-BO

### General

With the infra-red receiver IRE-U-BO it is possible to receive commands of B&O-infra-red remotes and process them (freely programmable) in the ISYGLT system. Examples of this are the steering of lighting as single circles, groups and complex lightscenes, jalousie and sun protection steering, drain steering for the media technology and much more.

Thanks to a special transmission system and carrier frequency of 455kHz the infrared remote control



is resistant to interference (e.g. by adjustable fluorescent lamps, electronic ballast).

### Function displays

- 1 flashing yellow LED signalise the communication with the master via the subnet, at duration the operating voltage (without function) will be indicated
- 1 flashing green LED signalise the reception of an IR command

### Connections

- 1 connection for the subnet (BUS A and B, RS-485)
- 1 connection for the operating voltage (Ub, 0V)

### Design

- Under-Plaster coverage white

### Special function DIP switch 1

- Reserve
- switch OFF

### Evaluable functions

Nr.	Mode	Keys	Recommendation for the use in the ISYGLT system	Type
F1.1	[Light]	1	Scene 1 in DEFTAPLP	Impulse or duration via button menu 1 and GO
F1.2	[Light]	2	Scene 2 in DEFTAPLP	Impulse or duration via button menu 2 and GO
F1.3	[Light]	3	Scene 3 in DEFTAPLP	Impulse or duration via button menu 3 and GO
F1.4	[Light]	4	Scene 4 in DEFTAPLP	Impulse or duration via button menu 4 and GO
F1.5	[Light]	5	Scene 5 in DEFTAPLP	Impulse or duration via button menu 5 and GO
F1.6	Light]	6	Scene 6 in DEFTAPLP	Impulse or duration via button menu 6 and GO

**Evaluable functions**
**Continued**

Nr.	Mode	Keys	Recommendation for the use in the ISYGLT sytem	Type
F1.7	[Light]	7	Scene 7 in DEFTAPLP	Impulse or duration via button menu 7 and GO
F1.8	[Light]	8	Scene 8 in DEFTAPLP	Impulse or duration via button menu 8 and GO
F1.9	[Light]	9	Scene 9 in DEFTAPLP	Impulse or duration via button menu 9 and GO
F1.10	[Light]	0	Scene 0 in DEFTAPLP	Impulse or duration via button menu 0 and GO
F1.11	free	free		
F1.12	[Light]	up	lighter in DEFTAPLP	Duration
F1.13	[Light]	down	darker in DEFTAPLP	Duration
F1.14	[Light]	>>		Duration
F1.15	[Light]	<<		Duration
F1.16	[Light]	green		Duration
F1.17	[Light]	yellow		Duration
F1.18	[Light]	red		Duration
F1.19	[Light]	blue		Duration
F1.20	[Light]	Go	ON or finery light	Duration
F1.21	[Light]	Stop	OFF or finery light	Impulse
F1.22		free		free
F1.23	LIGHT	LIGHT		Impulse
F1.24	TV	TV		Impulse
F1.25	SAT	SAT		Impulse
F1.26	TEXT	TEXT		Impulse
F1.27	RADIO	RADIO		Impulse
F1.28	CD	CD		Impulse
F1.29	ATAPE	ATAPE		Impulse
F1.30	VTAPE	VTAPE		Impulse
F1.31	[Light]	MENU		Impulse
F2.1	[Light][LAMP][0]	up	Kanal 0	Duration (LIGHT, LIST, 0)
F2.2	[Light][LAMP][0]	down		Duration (LIGHT, LIST, 0)
F2.3	[Light][LAMP][0]	>>		Duration (LIGHT, LIST, 0)
F2.4	[Light][LAMP][0]	<<		Duration (LIGHT, LIST, 0)
F2.5	[Light][LAMP][0]	green		Duration (LIGHT, LIST, 0)
F2.6	[Light][LAMP][0]	yellow		Duration (LIGHT, LIST, 0)
F2.7	[Light][LAMP][0]	red		Duration (LIGHT, LIST, 0)
F2.8	[Light][LAMP][0]	blue		Duration (LIGHT, LIST, 0)
F2.9	[Light][LAMP][0]	Go		Duration (LIGHT, LIST, 0)
F2.10	[Light][LAMP][0]	Stop		Impulse (LIGHT, LIST, 0)
F2.11	[Light][LAMP][1]	up	Kanal 1	Duration (LIGHT, LIST, 1)
F2.12	[Light][LAMP][1]	down		Duration (LIGHT, LIST, 1)
F2.13	[Light][LAMP][1]	>>		Duration (LIGHT, LIST, 1)
F2.14	[Light][LAMP][1]	<<		Duration (LIGHT, LIST, 1)
F2.15	[Light][LAMP][1]	green		Duration (LIGHT, LIST, 1)
F2.16	[Light][LAMP][1]	yellow		Duration (LIGHT, LIST, 1)

**Evaluable functions**
**Continued**

Nr.	Mode	Keys	Recommendation for the use in the ISYGLT sytem	Type
F2.17	[Light][LAMP][1]	red		Duration (LIGHT, LIST, 1)
F2.18	[Light][LAMP][1]	blue		Duration (LIGHT, LIST, 1)
F2.19	[Light][LAMP][1]	Go		Duration (LIGHT, LIST, 1)
F2.20	[Light][LAMP][1]	Stop		Impulse (LIGHT, LIST, 1)
F2.21	[Light][LAMP][2]	up	channel 2	Duration (LIGHT, LIST, 2)
F2.22	[Light][LAMP][2]	down		Duration (LIGHT, LIST, 2)
F2.23	[Light][LAMP][2]	>>		Duration (LIGHT, LIST, 2)
F2.24	[Light][LAMP][2]	<<		Duration (LIGHT, LIST, 2)
F2.25	[Light][LAMP][2]	green		Duration (LIGHT, LIST, 2)
F2.26	[Light][LAMP][2]	yellow		Duration (LIGHT, LIST, 2)
F2.27	[Light][LAMP][2]	red		Duration (LIGHT, LIST, 2)
F2.28	[Light][LAMP][2]	blue		Duration (LIGHT, LIST, 2)
F2.29	[Light][LAMP][2]	Go		Duration (LIGHT, LIST, 2)
F2.30	[Light][LAMP][2]	Stop		Impulse (LIGHT, LIST, 2)
F2.31	[Light][LAMP][3]	up	channel 3	Duration (LIGHT, LIST, 3)
F2.32	[Light][LAMP][3]	down		Duration (LIGHT, LIST, 3)
F2.33	[Light][LAMP][3]	>>		Duration (LIGHT, LIST, 3)
F2.34	[Light][LAMP][3]	<<		Duration (LIGHT, LIST, 3)
F2.35	[Light][LAMP][3]	green		Duration (LIGHT, LIST, 3)
F2.36	[Light][LAMP][3]	yellow		Duration (LIGHT, LIST, 3)
F2.37	[Light][LAMP][3]	red		Duration (LIGHT, LIST, 3)
F2.38	[Light][LAMP][3]	blue		Duration (LIGHT, LIST, 3)
F2.39	[Light][LAMP][3]	Go		Duration (LIGHT, LIST, 3)
F2.40	[Light][LAMP][3]	Stop		Impulse (LIGHT, LIST, 3)
F2.41	[Light][LAMP][4]	up	channel 4	Duration (LIGHT, LIST, 4)
F2.42	[Light][LAMP][4]	down		Duration (LIGHT, LIST, 4)
F2.43	[Light][LAMP][4]	>>		Duration (LIGHT, LIST, 4)
F2.44	[Light][LAMP][4]	<<		Duration (LIGHT, LIST, 4)
F2.45	[Light][LAMP][4]	green		Duration (LIGHT, LIST, 4)
F2.46	[Light][LAMP][4]	yellow		Duration (LIGHT, LIST, 4)
F2.47	[Light][LAMP][4]	red		Duration (LIGHT, LIST, 4)
F2.48	[Light][LAMP][4]	blue		Duration (LIGHT, LIST, 4)
F2.49	[Light][LAMP][4]	Go		Duration (LIGHT, LIST, 4)
F2.50	[Light][LAMP][4]	Stop		Impulse (LIGHT, LIST, 4)
F2.51	[Light][LAMP][5]	up	channel 5	Duration (LIGHT, LIST, 5)
F2.52	[Light][LAMP][5]	down		Duration (LIGHT, LIST, 5)
F2.53	[Light][LAMP][5]	>>		Duration (LIGHT, LIST, 5)
F2.54	[Light][LAMP][5]	<<		Duration (LIGHT, LIST, 5)
F2.55	[Light][LAMP][5]	green		Duration (LIGHT, LIST, 5)
F2.56	[Light][LAMP][5]	yellow		Duration (LIGHT, LIST, 5)
F2.57	[Light][LAMP][5]	red		Duration (LIGHT, LIST, 5)
F2.58	[Light][LAMP][5]	blue		Duration (LIGHT, LIST, 5)
F2.59	[Light][LAMP][5]	Go		Duration (LIGHT, LIST, 5)
F2.60	[Light][LAMP][5]	Stop		Impulse (LIGHT, LIST, 5)
F2.61	[Light][LAMP][6]	uo	channel 6	Duration (LIGHT, LIST, 6)

**Evaluable functions**
**Continued**

Nr.	Mode	Keys	Recommendation for the use in the ISYGLT sytem	Type
F2.62	[Light][LAMP][6]	down		Duration (LIGHT, LIST, 6)
F2.63	[Light][LAMP][6]	>>		Duration (LIGHT, LIST, 6)
F2.64	[Light][LAMP][6]	<<		Duration (LIGHT, LIST, 6)
F2.65	[Light][LAMP][6]	green		Duration (LIGHT, LIST, 6)
F2.66	[Light][LAMP][6]	yellow		Duration (LIGHT, LIST, 6)
F2.67	[Light][LAMP][6]	red		Duration (LIGHT, LIST, 6)
F2.68	[Light][LAMP][6]	blue		Duration (LIGHT, LIST, 6)
F2.69	[Light][LAMP][6]	Go	Duration (LIGHT, LIST, 6)	
F2.70	[Light][LAMP][6]	Stop		Impulse (LIGHT, LIST, 6)
F2.71	[Light][LAMP][7]	up	channel 7	Duration (LIGHT, LIST, 7)
F2.72	[Light][LAMP][7]	down		Duration (LIGHT, LIST, 7)
F2.73	[Light][LAMP][7]	>>		Duration (LIGHT, LIST, 7)
F2.74	[Light][LAMP][7]	<<		Duration (LIGHT, LIST, 7)
F2.75	[Light][LAMP][7]	green		Duration (LIGHT, LIST, 7)
F2.76	[Light][LAMP][7]	yellow		Duration (LIGHT, LIST, 7)
F2.77	[Light][LAMP][7]	red		Duration (LIGHT, LIST, 7)
F2.78	[Light][LAMP][7]	blue		Duration (LIGHT, LIST, 7)
F2.79	[Light][LAMP][7]	Go		Duration (LIGHT, LIST, 7)
F2.80	[Light][LAMP][7]	Stop		Impulse (LIGHT, LIST, 7)
F2.81	[Light][LAMP][8]	up	channel 8	Duration (LIGHT, LIST, 8)
F2.82	[Light][LAMP][8]	down		Duration (LIGHT, LIST, 8)
F2.83	[Light][LAMP][8]	>>		Duration (LIGHT, LIST, 8)
F2.84	[Light][LAMP][8]	<<		Duration (LIGHT, LIST, 8)
F2.85	[Light][LAMP][8]	green		Duration (LIGHT, LIST, 8)
F2.86	[Light][LAMP][8]	yellow		Duration (LIGHT, LIST, 8)
F2.87	[Light][LAMP][8]	red		Duration (LIGHT, LIST, 8)
F2.88	[Light][LAMP][8]	blue		Duration (LIGHT, LIST, 8)
F2.89	[Light][LAMP][8]	Go		Duration (LIGHT, LIST, 8)
F2.90	[Light][LAMP][8]	Stop		Impulse (LIGHT, LIST, 8)
F2.91	[Light][LAMP][9]	up	channel 9	Duration (LIGHT, LIST, 9)
F2.92	[Light][LAMP][9]	down		Duration (LIGHT, LIST, 9)
F2.93	[Light][LAMP][9]	>>		Duration (LIGHT, LIST, 9)
F2.94	[Light][LAMP][9]	<<		Duration (LIGHT, LIST, 9)
F2.95	[Light][LAMP][9]	green		Duration (LIGHT, LIST, 9)
F2.96	[Light][LAMP][9]	yellow		Duration (LIGHT, LIST, 9)
F2.97	[Light][LAMP][9]	red		Duration (LIGHT, LIST, 9)
F2.98	[Light][LAMP][9]	blue		Duration (LIGHT, LIST, 9)
F2.99	[Light][LAMP][9]	Go		Duration (LIGHT, LIST, 9)
F2.100	[Light][LAMP][9]	Stop		Impulse (LIGHT, LIST, 9)

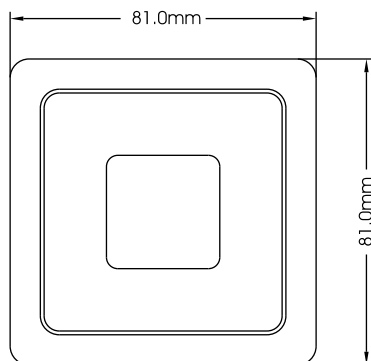
### Technical data

<b>Type</b>	<b>IRE-U-BO</b>
Art. Nr.	80040151
Operating voltage	12-35V DC or 12-27V AC
Current consumption	max. 45mA at 24V
Carrier frequency	455kHz
Range	ca. 20m with B&O remote
Subnet (RS-485)	max. 5.6V limited by Z-diodes
Dimensions	DxT, 51x26mm, cover 80x80mm
Weight	100g
Connection	Screw terminals max. 1mm <sup>2</sup>
Operating temperature	-10...+50°C
Storage temperature	-25...+70°C
Humidity	0...85 % r.F. non condensing
Protection grade	IP40
ESD immunity	Category 3 according to IEC-1000-4-2
EMV immunity	Use in typical industrial enviroment. Category 3 lt. IEC-1000-4-4 (Test was carried out within a whole system)
CE sign	yes

### Terminal assignment

Sh.	Free
≅ Ub	Operating voltage
0V	Operating voltage
A	Subnet (BUS A, RS-485)
B	Subnet (BUS B, RS-485)

### View



## Wiring diagram

