

High power photoelectric sensor amplifiers



- Small photoelectric sensors with long distances
- Able to withstand dirty environments
- Amplifier with time function
- Amplifier with one or two channels

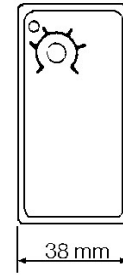
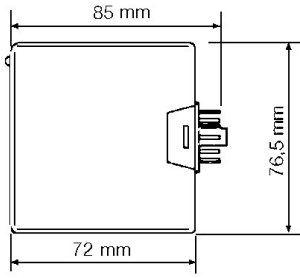
Technical data

	Amplifier			
	OEM201N	OEM202N	OEM203N	OEM207N
Order number	OEM201N	OEM202N	OEM203N	OEM207N
Supply voltage		230 VAC, 24 VAC, 24 VDC ±10 % (other voltages on request)		
Power consumption	2.8 VA	2.8 VA	2.8 VA	2.8 VA
Output data	Relay SPDT 250 VAC, 8 A resistive	Relay SPDT 250 VAC, 8 A resistive and NPN 50 mA, 30 VDC	Relay SPDT 250 VAC, 8 A resistive and NPN 50 mA, 30 VDC Operating delay 0-10 s Shutoff delay 0-10 s	Relay SPDT 250 VAC, 8 A resistive
Time function	-	-		-
Light/dark on	-	Yes	Yes	Yes
LED indication				
Supply voltage	Green LED	Green LED	Green LED	
Activated receiver	Yellow LED	Yellow LED	Yellow LED	
Activated output		Yellow LED	Yellow LED	2x Yellow LED
Reaction time	<65 ms	<65 ms	<65 ms	<33 ms
Sensitivity setting	Potentiometer	Potentiometer	Potentiometer	2 x potentiometers
Temperature range		-20 °C to +60 °C		
Enclosure material		ABS plastic		
Light source		Infrared modulated LED		
Connection		11-pole base		

Electromagnetic compatibility EN50081-1

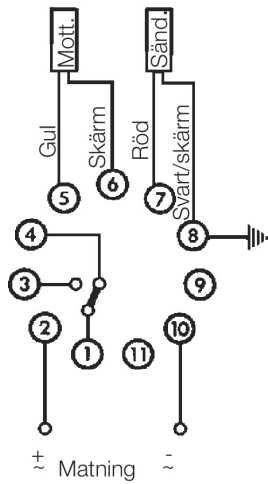
EMC 89/336/EEC EN50082-1

Dimensions

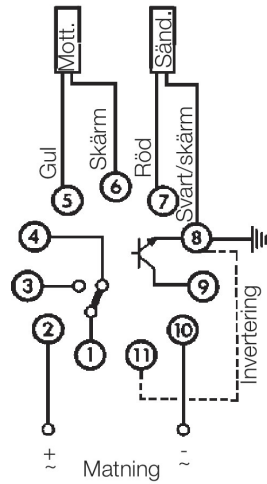


Connection

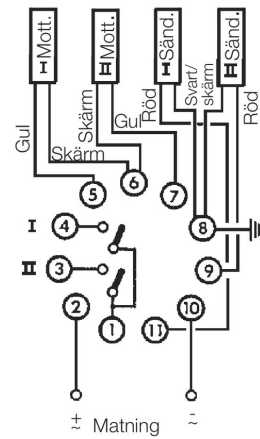
OEM201N



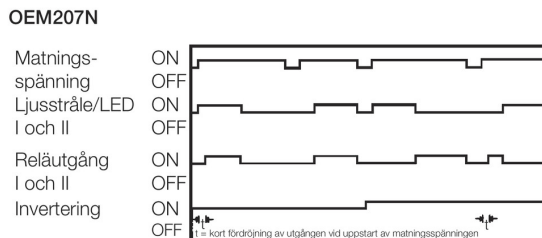
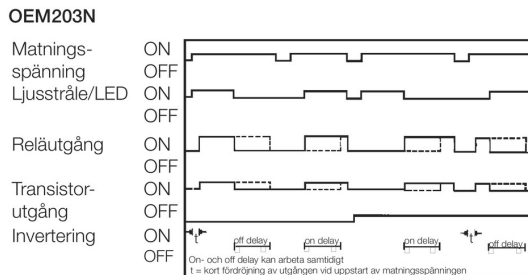
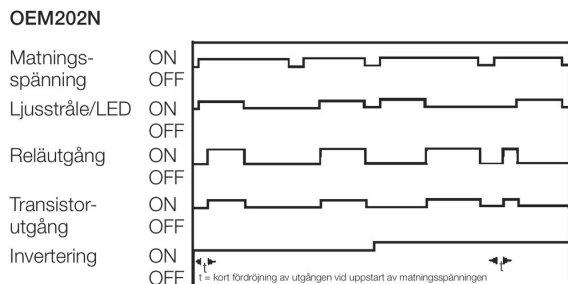
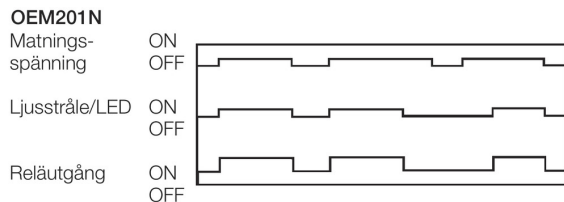
OEM202N
OEM203N



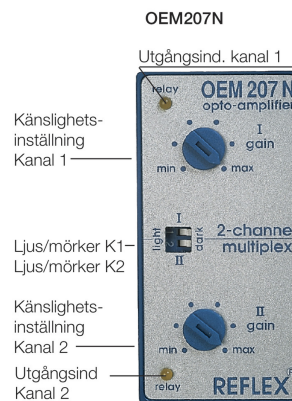
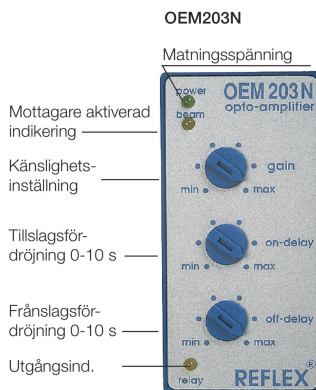
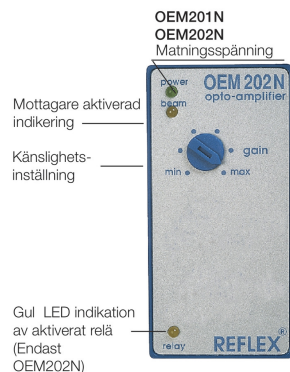
OEM207N



Function diagram, amplifier



Version



Order number

Order no.	Version
OEM201N230A	Photoelectric sensor amplifier, 230 VAC, relay
OEM201N24AD	Photoelectric sensor amplifier, 24 VAC/DC, relay
OEM202N230A	Photoelectric sensor amplifier, 230 VAC, NPN/relay
OEM202N24AD	Photoelectric sensor amplifier, 24 VAC/DC, NPN/relay
OEM203N230A	Photoelectric sensor amplifier, 230 VAC, NPN/relay, time function
OEM203N24AD	Photoelectric sensor amplifier, 24 VAC/DC, NPN/relay, time function
OEM207N230A	Photoelectric sensor amplifier, 230 VAC, 2x relay, multiplex
OEM207N24AD	Photoelectric sensor amplifier, 24 VAC/DC, 2x relay, multiplex
S3B	11-pole screw base. For further information, see the OEMAutomatic Electrical cabinets catalogue.