



# ATU 301



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# Data

## Product

Flygt's ATU 301 is an alarm transmitter with overflow monitoring functions. The alarm unit will be suitable as a multi purpose alarm unit for use in remote locations where the process need surveillance to record and transmit data and alarms. The overflow function records and transmits data from flooding pump sumps.

## Denomination

40 501138	ATU 301
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## Power Supply

Supply Voltage	230 V AC
Current Consumption	< 50mA at 230 V AC
Fuse 230 V AC	100 mA
Rated Voltage	230 V AC 50/60 Hz
Relay outputs	250 V AC / 2 A

## Approved Standard

EMC emission standard	EN61000-6-3
EMC immunity standard	EN61000-6-2
LVD electrical safety	EN61010-1

## Environment

Operational temperature	-20° C to +50° C
Storage Temperature	-10° C to +70° C
Humidity (non-condensing)	90 % RH
Enclosure	IP 65

## Cabinet

Size (l x w x h)	255 x 180 x 100 mm
Weight	1,2 kg
Mounting	Wall
Cable entries	7 holes

## Material

Enclosure, bottom	ABS
Enclosure, lid	ABS
Overlay	Polyester

## Data Processing power

Processor	PIC 18F252
Executed word length	8 bits
Clock frequency	32 MHz
Text memory	32 kB
Battery backup	Optional 8,4 V
Watchdog	Yes

## Approved modems

Contact your local Xylem supplier for valid modems in your area.

## User Interface

Display	LCD 2x16 character
Push buttons	5 pcs
LED indications	8 pcs
Communication	Protocol: AquaCom, Comli, Modbus
Comport	RS232
Sticker for alarm text	

## Analogue input

Analogue level 4 - 20 mA

## Digital Inputs

High level  
Low level  
Overflow  
Alarm 1-7  
Can use as input for counter

## Relay Outputs

General output

## Type of sensors to be used

Pneumatic level sensor, 0-1 m or 0-2,5 m  
4-20 mA level sensor, 15 V DC

## Options/Accessories

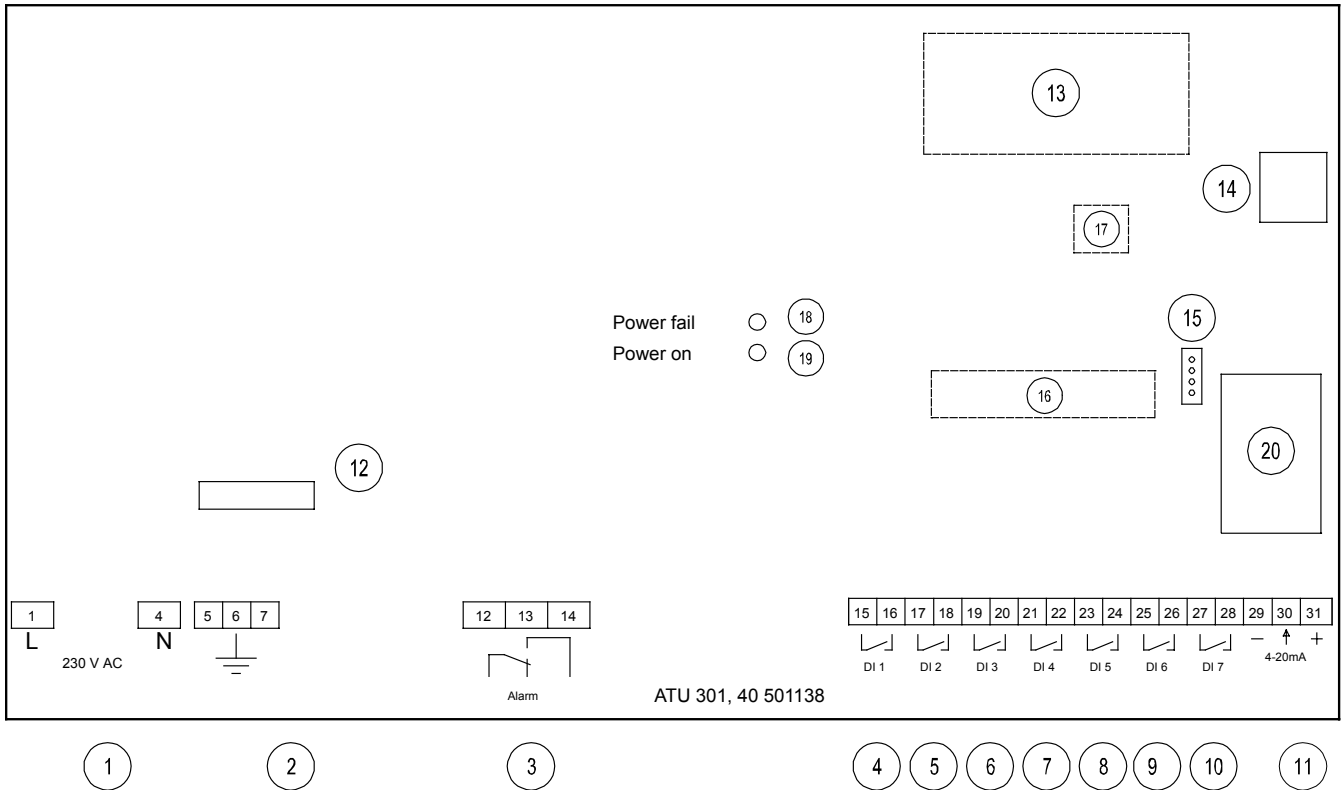
Cable entries  
Battery  
Open bell system, not recommend for overflow measurement  
Level sensors  
DIN-rail mounting kit  
Overflow sensor

# Drawing and dimension

## Main board drawing

1.	Power supply, phase and neutral: 210 - 255 V AC, 50/60 Hz. External main fuse (not included in the delivery): max. 16 A (1,4).	11 .	Analogue level sensor input, 4-20 mA. (29, 30, 31)
2.	Earth terminal. 3 pcs 2,5 mm <sup>2</sup> (5,6,7)	12 .	Fuse; F2: T100mAL for internal use.
3.	General output, potential-free contact max. 250 V AC / 2 A. (12,13,14)	13 .	NiMH back-up battery. 8.4 V, 150 mAh (option).
4.	Overflow input or Digital input 1. (15, 16)	14 .	Connection for display unit.
5.	Digital input 2. (17, 18)	15 .	Connection for Communication module.
6.	Digital input.3. (19, 20)	16 .	Processor
7.	Digital input.4. (21, 22)	17 .	Text memory
8.	Digital input 5. (23, 24)	18 .	Power failure. Light on indicates (LED) a low supply voltage.
9.	Digital input.6. (25, 26)	19 .	Power on indicator.
10	Pulse counter input or Digital input.7. (27, 28)	20 .	Pneumatic pressure sensor module (option).

# Wiring diagram







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- 2) A leading global water technology company

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The original instruction is in English. All non-English instructions are translations of the original instruction.

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