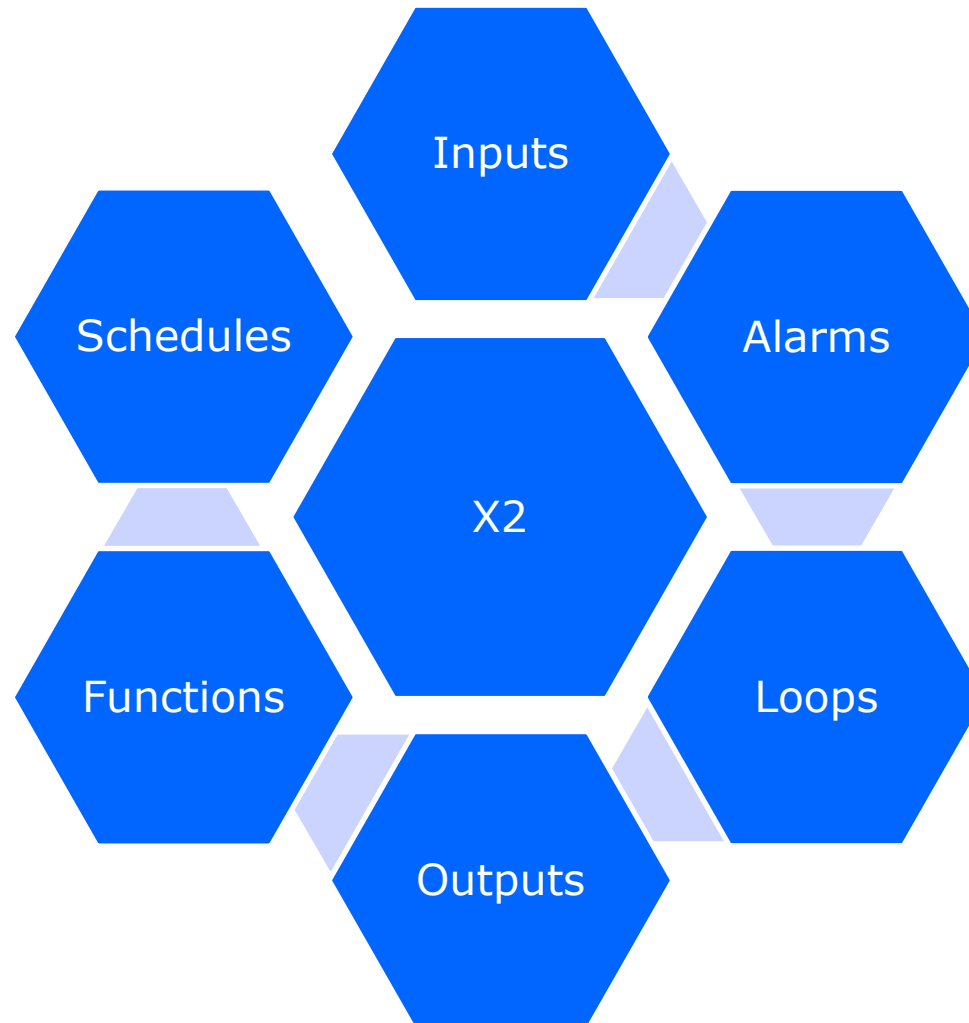




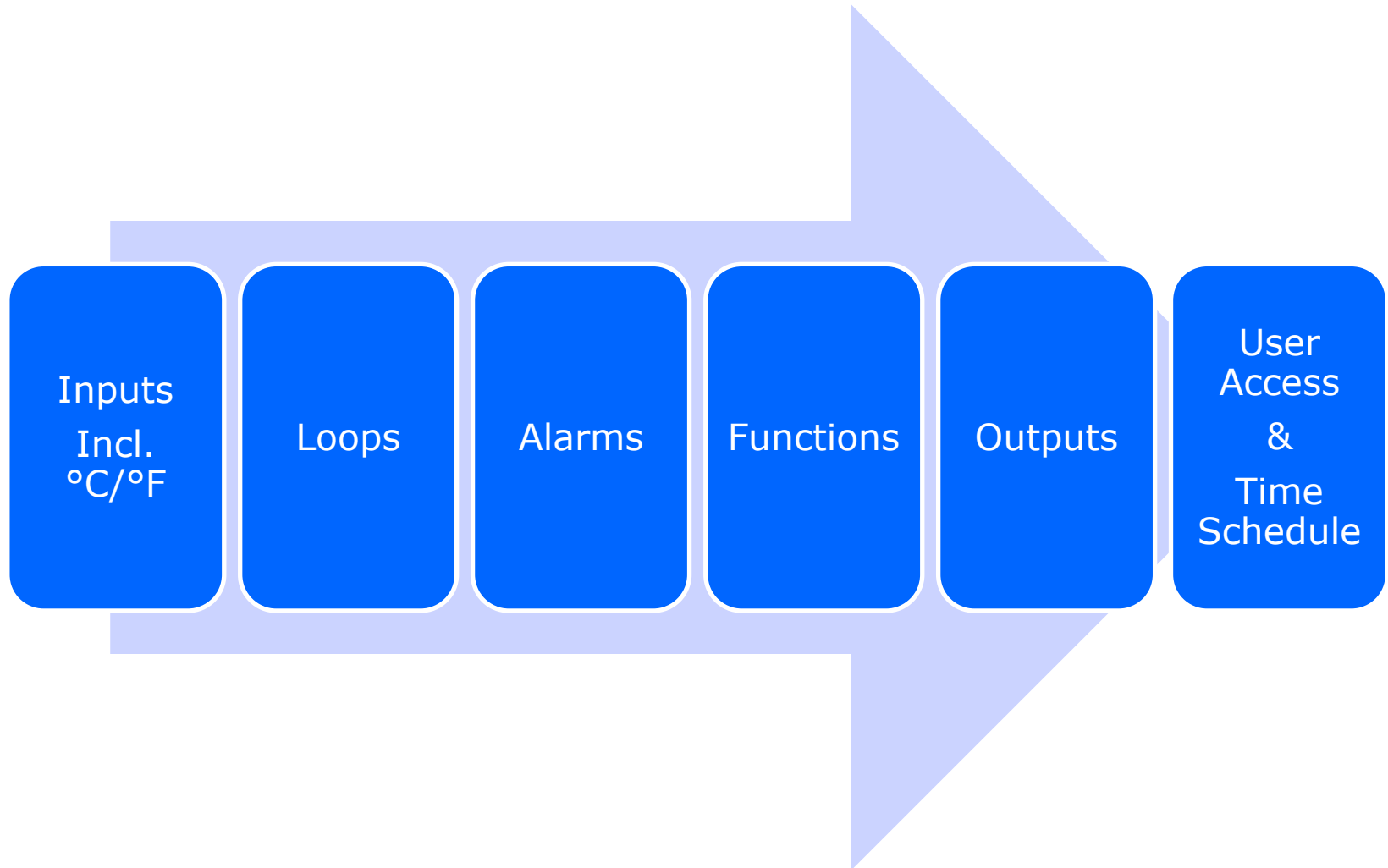
**Welcome to the
X2 Operating System
Introduction
of Vector Controls**

December 2018

- ▲ X2 Operating system
 - X2 Setup process
 - Configuration tool: EasySet
 - X2 Product ID & Series
 - Cabinet mounted TCX2
 - Cabinet compact TCI2
 - CONSENS SDC2/SOC2/SCC2
 - Wall mounted TRI2

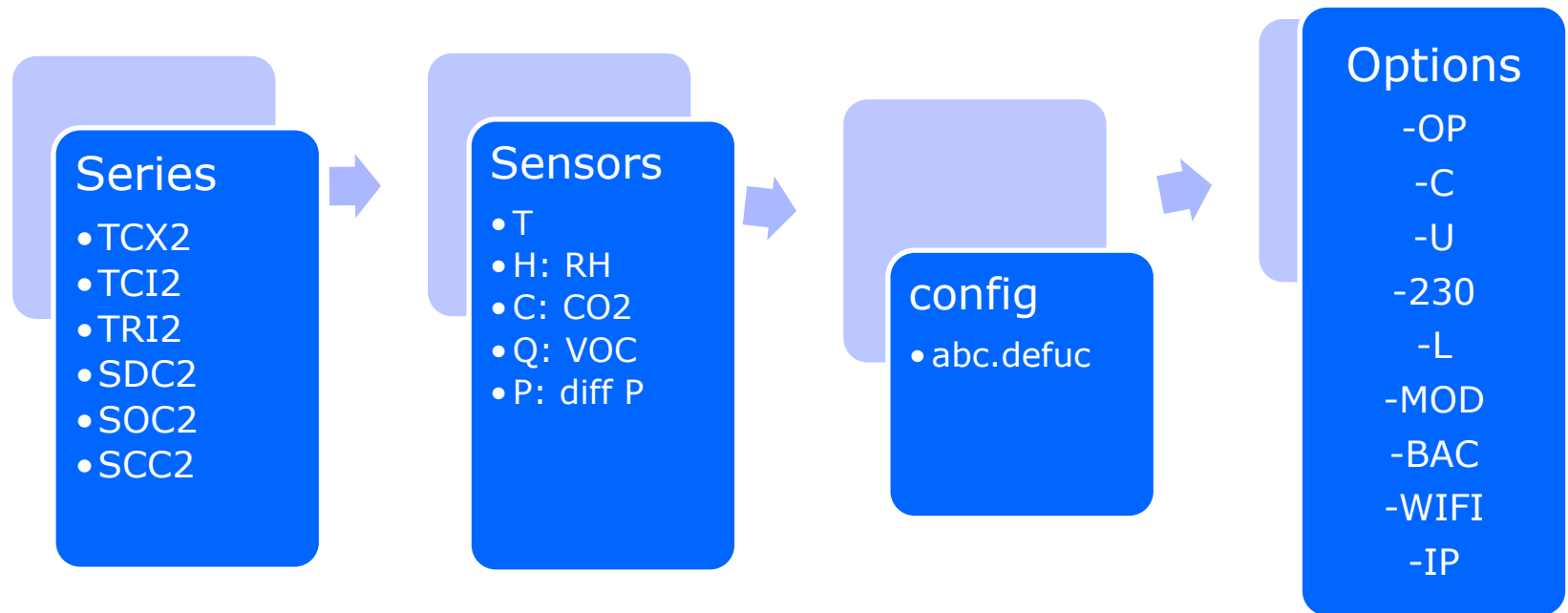


- ▲ One operating system for a complete generation of products
- ▲ Same functions, parameters, configuration and features
- ▲ Different numbers and specs of inputs, outputs, functions depending on type and series
- ▲ Communication plug-ins for Modbus and BACnet and coming soon: wi-fi and IP



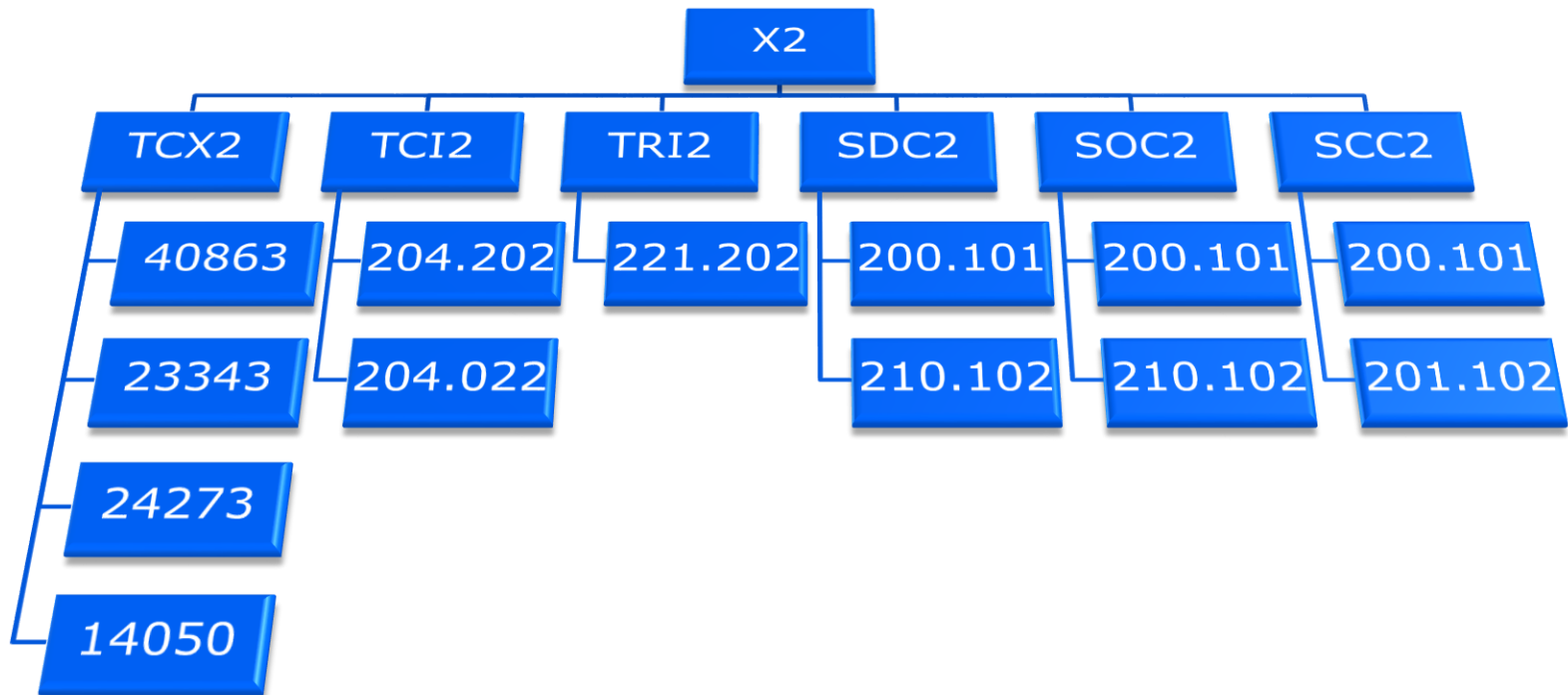


- ▲ Upload/Download configuration
- ▲ Save projects
- ▲ Use Templates for efficient development
- ▲ Run Trends
- ▲ Easy configure time schedules



▲ TCI2-abc.def(uc)-zzz

- a = Number of control loops
- b = Number of passive inputs
- c = Number of universal or analog inputs
- d = Number of binary outputs relays
- e = Number of binary outputs Triacs
- f = Number of analog outputs mA und VDC
- u = Universal: all universal inputs are NTC/mA/VDC and for TCI2: PT1000/NTC/mA/VDC, all analog outputs are mA/VDC
no u = all analog in and outputs are VDC, all passive inputs are NTC.





- Up to 4 Control loops
- 8 Universal inputs
NTC/mA/VDC
- 6 Binary outputs
Relays
- 3 Analog outputs
mA/VDC
- 8 Alarm conditions
- 12 weekly and annual
schedules
- -OP = Integrated operation
terminal
- MODBUS or BACnet MS/TP
communication

▲ General:

- -MOD: Modbus RS485, -BAC: BACnet MS/TP RS485
- -OP: Integrated operation terminal
- -230: 230V power supply

▲ TCX2-40863: ETL certified

- 4LP, 8UI (NTC/VDC/mA), 6 Relays, 3 AO (VDC/mA)

▲ TCX2-23343: ETL certified

- 2LP, 3 IN NTC, 3 IN VDC, 4 DO (Relays), 3 AO VDC

▲ TCX2-24273

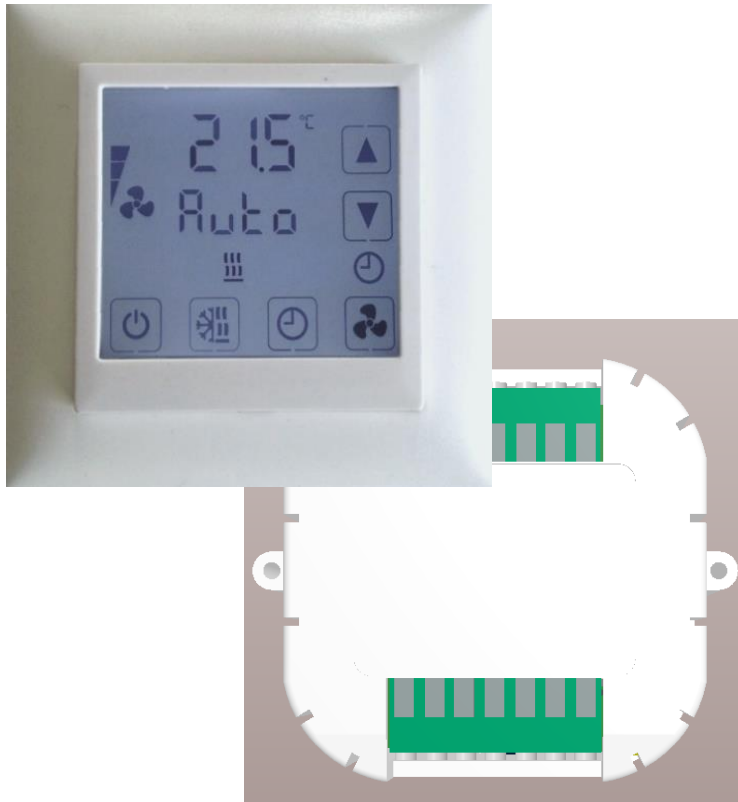
- 2LP, 3 IN NTC, 3 IN VDC, 5 DO (Relays), 2 DO (TRIAC), 3 AO VDC

▲ TCX2-14050: ETL certified

- 1LP, 4 IN NTC, 5 DO (Relays)



- 24V or Line Voltage version
- 2 Control loops
- 4 Universal inputs:
NTC, PT1000, mA, VDC
- 2 Binary outputs: TRIAC or
Relays
- 2 Analog outputs: mA/VDC
- 8 Alarm conditions
- Optional time schedules and RTC
- Optional integrated operation
terminal
- MODBUS, BACnet MS/TP

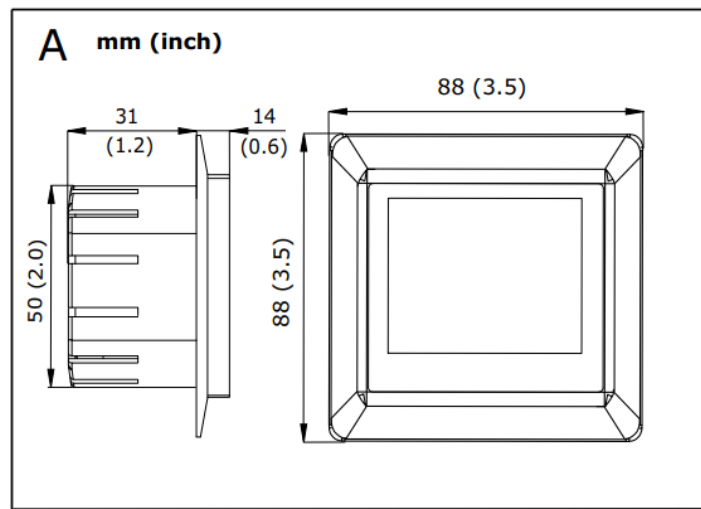


- 24V
- 2 Control loops
- 2 passive inputs: NTC
- 1 active input: VDC
- 2 Binary outputs: Relays NO
- 2 Analog outputs: VDC
- 8 Alarm conditions
- Optional time schedules and RTC
- MODBUS, BACnet MS/TP

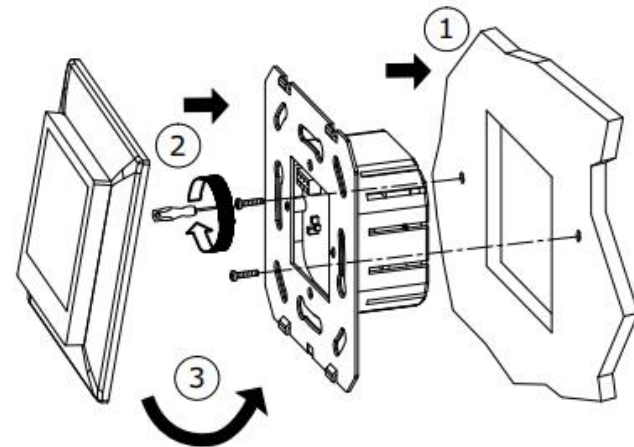


- Modular concept allows for flexible mounting
- Independent frame simplifies customization
- Sufficient space for client logo if required

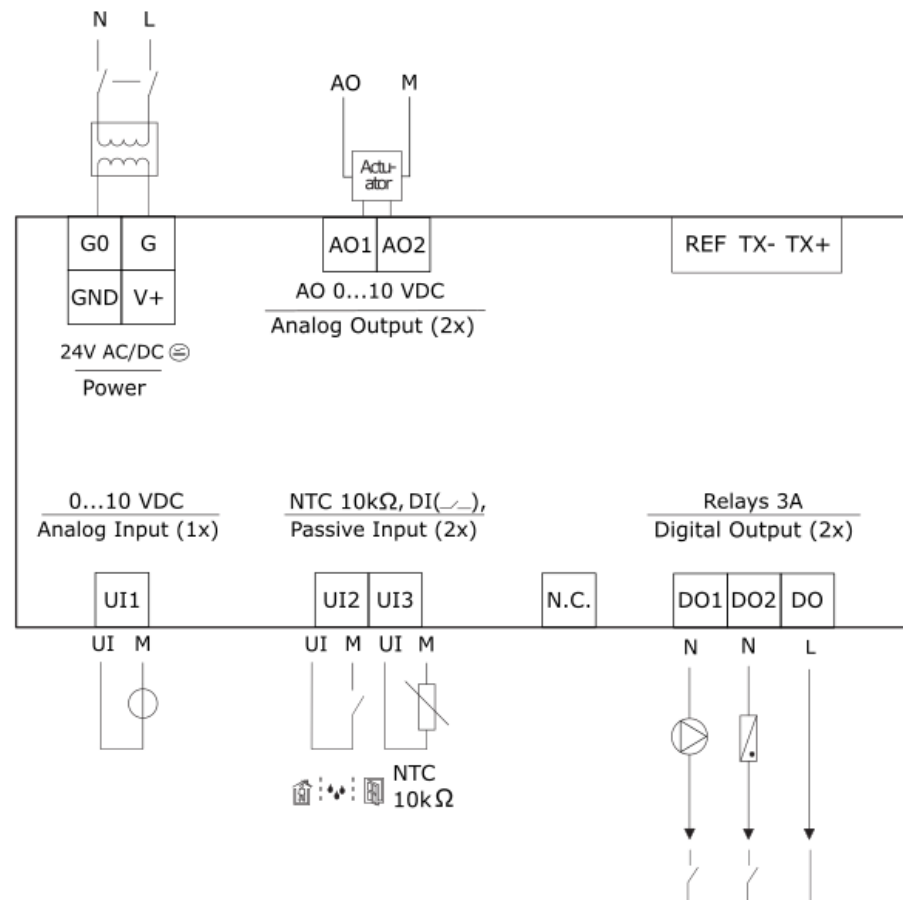
- ▲ OPT1 Housing: US, EU and CH frame
- ▲ Dimensions and installation same as OPT1

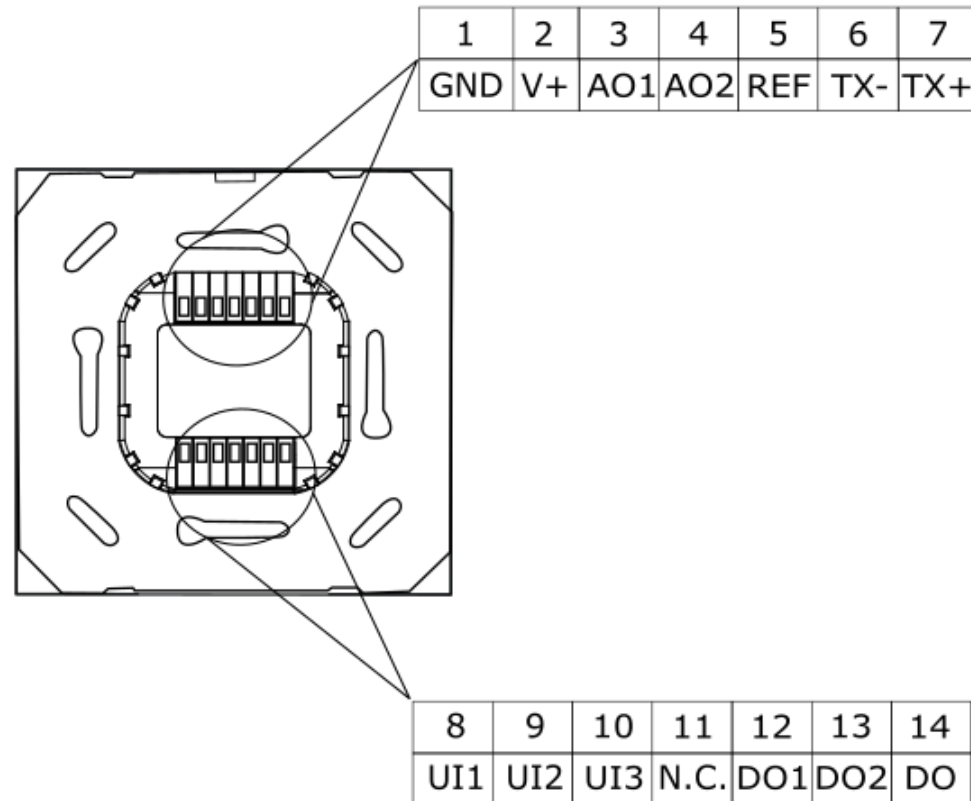


C



TRI2-Wiring Diagram







Measures

- ▲ -T: Temperature
- ▲ -H: Relative Humidity
- ▲ -C: CO2: Air quality through CO2
- ▲ -Q: VOC: Air quality through volatile compounds
- ▲ - P: differential air pressure



SDC2



SDC2-OP



SOC2



SCC2

SDC2-New Flange



- ▲ Easy mounting
- ▲ No tools required for sensor removal
- ▲ Patented twist and fix mechanism
- ▲ Mounts on flat and round ducts



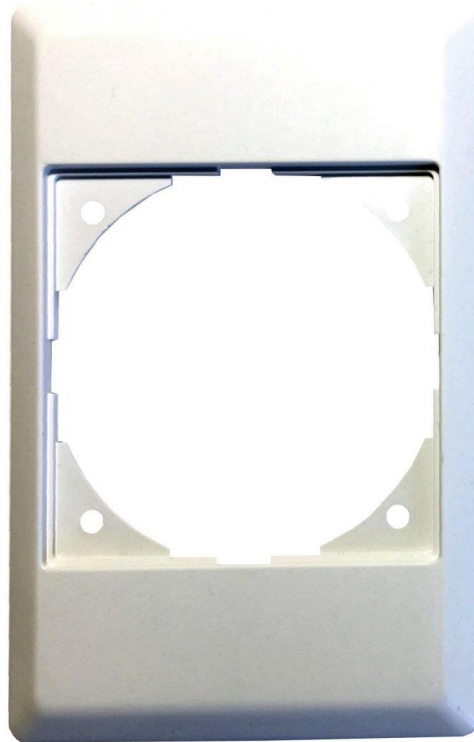


- 2 Control loops
- 1 passive input
- 2 TRIAC or 1 SPDT Relays
- 2 Analog outputs mA/VDC
- 4 Assignable alarm conditions
- Optional
 - RTC/Time schedules
 - integrated operation Terminal
 - External operation terminal
 - Bus plug-in
 - AEC-PM2

OPT1 Operation terminal



Frame & Mounting
plate
Square



Frame & Mounting
plate
Rectangular

- Temperature Sensor
- Opt. Humidity Sensor
- Universal mounting



Touch



- ▲ To Save Applications to Multiple Controllers
- ▲ As Backup or as configuration tool
- ▲ Automatic load on power up
- ▲ Automatic increment of address

