



# Your supplier of choice for peripheral HVAC control products since 2001



Carefully selected, installed and adjusted control products save energy, reduce system lifecycle cost and increase life quality.

Vector Controls is a global company specializing in sensors and peripheral controls.

Our mission is to design, build, distribute and support feature-rich, easy-to-use products that help optimize indoor environment while preserving resources.



- ▲ Temperature and humidity controls easily configured by straightforward on-board parameter setting.
- ▲ Universal controllers with freely assigned inputs and outputs for flexibility in a wide range of applications.
- Measurement of temperature, humidity, differential pressure and CO2 for room, duct, and outdoor applications.
- Wide range of temperature sensor types and selectable accuracy levels.



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TLC3



OPR-1

### Fan coil and binary controller, TLC3 series

Compact wall mounted controller for line voltage for flush mounting. The controller is available in two different housings to fit different connection boxes.

- ▲ Large LCD display
- Programmable user and expert parameters
- ▲ Low power consumption of 1 W
- Flush mounting
- AC 230 VAC or 24 V AC or DC
- ▲ Deluxe version with backlight, clock and infrared remote control possibilities
- Relay switching for binary outputs
- Energy saving with comfort and economy modes and automatics fan speeds switching for FCR models
- Set point limitations
- 🔺 IP 30
- Special functions including frost protection, comfort/ economy mode change based on temperature input, and more

Model	Functions & Variations	Features
TLC3-BCR-230	Thermostat 2-pipe control for three-state valve	2 binary outputs (relays) for valve 2 external sensor inputs 1 internal temperature sensor
TLC3-FCR-24 TLC3-FCR-230	Fan coil controller 2-pipe fan coil control	3 binary outputs (relays) for fan 1 binary output (relays) for valve 1 internal temperature sensor
TLC3-FCR-T-24 TLC3-FCR-T-230	Fan coil controller 2-pipe fan coil control with external input	3 binary outputs (relays) for fan 1 binary output (relays) for valve 1 internal temperature sensor 1 external sensor input
TLC3-FCR-2R-24 TLC3-FCR-2T-230	<b>Fan coil controller</b> 4-pipe fan coil control	3 binary outputs (relays) for fan 2 binary outputs (TRIAC for -230, relays for -24) for valve 1 internal temperature sensor
TLC3-FCR-M2-24 TLC3-FCR-M2-230	Fan coil controller 2-pipe PI-fan coil controller	1 TI internal 2 external inputs 3 DO (relays) fan control 1 AO (0 - 10 VDC) PI-valve control
TLC3-FCR-M4-24 TLC3-FCR-M4-230	<b>Fan coil controller</b> 4-pipe PI-fan coil controller	1 TI internal, 1 external input 3 DO (relays) fan control 2 AO (0 - 10 VDC) PI-valve control
TLC3 Variations:	-D = deluxe version -24 = 24 VAC/DC -230 = 230 VAC -W01 = cooling only	With backlight, real time clock and time schedules Power supply 24 VAC or 24 VDC (except for TLC-FCR-2T-230. Power supply 230 VAC Fixed to cooling only mode
OPR-1	Infrared remote controller	Infrared remote controller for deluxe version





### Fan coil and package unit controller, TLR Series

Fan coil unit controller consisting of a cabinet mounted base unit and a surface mounted operation terminal/temperature sensor.

- ▲ Large LCD display on operation terminal
- Programmable user and expert parameters
- ▲ Base cabinet mounted, terminal wall flush mounted
- AC 230 V or AC 24 V 50/60 Hz
- Deluxe version with backlight, clock and infrared remote control possibilities
- High switching power for each outputs up to 10 (6) A 250 VAC
- Energy saving with comfort and economy modes and automatics fan speeds switching for fan coil models
- ▲ Base unit IP 20, Operation terminal IP 30
- Master/slave options. 1 operation terminal may drive up to 8 base units.

Model	<b>Functions &amp; Variations</b>	Features
OPA-Dx* OPA-Dx-D	<b>Operation terminal for TLR</b> Different operation terminals for different	1 internal temperature sensor
	base units	-D: with backlight, real time clock and time schedules
	$Dx^* = D5, D5F, D41, D5P$ -D = deluxe version	
TLR-D5-24		3 relays outputs for fan
TLR-D5-24	Fan coil controller, base unit 4-pipe fan coil control	2 relays outputs for valve
		1 external sensor input
TLR-D5F-24	Fan coil controller for floating valve,	3 relays outputs for fan
TLR-D5F-230	base unit	2 TRIAC output for floating actuator
	2-pipe PI-fan coil control	1 external sensor input
TLR-D41-24	Fan coil controller for modulating	3 binary outputs (relays) for fan
TLR-D41-230	valve, base unit	1 binary output (relays) for valve
	2-pipe PI-control, fan coil control	1 0 – 10 V output for modulating actuator
		1 external sensor input
TLR-D5P-24	Package unit controller, base unit	1 binary outputs (relays) for fan
TLR-D5P-230	4-pipe package unit control	4 binary outputs (relays) for heating / cooling stages or reversing valves
		1 external sensor input
TLR Variations:	-24 = 24 VAC/DC	Power supply 24 VAC or VDC (except for TLR-D5F-24)
	-230 = 230 VAC	Power supply 230 VAC
OPR-1	Infrared remote controller	Infrared remote controller for deluxe version





## Single loop temperature and humidity controls

TCY types are compact binary or PI humidity or temperature controllers for flush mounting. TDC-BH is a duct mounted humidistat. TCY-MZ is a compact positioner for comfort ventilation. TEF and TEM are surface mounted PI-temperature controllers.

- ▲ Large LCD display on operation for TCY, TDC
- ▲ Programmable user and expert parameters
- ▲ Low power consumption of 1 W
- AC 24 V 50/60 Hz
- Deluxe version with backlight, clock and infrared remote control possibilities
- Energy saving with comfort and economy modes and automatics fan speeds switching for fan coil models
- Set point limitations
- ▲ IP 30
- Special functions including frost protection, comfort/economy mode change based on temperature input and more.

Model	Functions & Variations	Features
ТСҮ-ВН	Humidistat wall mounted Binary humidifying or dehumidifying with optional fan support	2 binary outputs (relays) 1 internal humidity sensor, accuracy 5 % 1 external temperature sensor input
TDC-BH	Humidistat duct mounted Binary humidifying or dehumidifying with optional fan support	2 binary outputs (relays) 1 internal humidity sensor, accuracy 5 % 1 external temperature sensor input
TCY-MT2	<b>PI-temperature controller</b> 2-pipe PI-temperature control for modulating actuators	1 AO 0 - 10 VDC 1 internal temperature sensor 2 external passive inputs
TCY-MT4	PI-temperature controller 4-pipe PI-temperature control for modulating actuators	2 AO 0 - 10 VDC 1 internal temperature sensor 1 external passive input
TCY-FT2	PI-temperature controller 2-pipe PI-temperature control for floating actuators	2 TRIAC outputs for one 3-state valve 1 internal temperature sensor 2 external passive inputs
TCY-FT4	<b>PI-temperature controller</b> 4-pipe PI-temperature control for floating actuators	4 TRIAC outputs for two 3-state valves 1 internal temperature sensor 1 external passive input
TCY-MZ2	Positioner for comfort ventilation Positioning for ventilation systems -D: with time schedule and backlight	2 analog outputs, 1 external passive input
TEM	<b>2-pipe PI-universal controller</b> Universal surface mounting PI-universal control	1 AO 0 - 10 VDC/ 1 AI 0 - 10 VDC 1 internal temperature sensor 1 external passive input
TEF	2-pipe PI-controller for floating output or 4-pipe binary control Universal surface mounting	2 binary outputs (relays) 1 internal temperature sensor 1 external passive input





TCI-W



#### TCI-C

## **Universal controls, TCI Series**

TCI series controllers are compact universal single and dual loop PI-controllers for flush wall or cabinet mounting

- Universal controllers with up to two control loops
- Programmable user and expert parameters
- ▲ Low power consumption of 1 W
- AC/DC 24 V 50/60 Hz
- ▲ -C2x or -W2x version with backlight, clock and times schedules
- Free assignable inputs and outputs

- Energy saving with comfort and economy modes
- Set point limitations
- 🔺 IP 30
- Advanced control functions including alarms with configurable action at alarm state, cascading control loops, manual override of analog outputs and more
- ▲ Special functions for remote enable/disable, remote heating/cooling change and more

Model	Variations	Features
TCI-W11 TCI-W11-H	Universal controller wall mounted Single loop controller with PI- and binary sequences -H = int humidity sensor with accuracy 3 %	1 universal input (NTC, VDC, mA) 2 binary outputs (relays) 1 analog output (VDC, mA)
TCI-W13 TCI-W13-H	Universal controller wall mounted Single loop controller with PI- and binary sequences -H = int humidity sensor with accuracy 3 %	1 universal input (NTC, VDC, mA) 1 binary output (relays) 2 analog outputs (VDC, mA)
TCI-W22 TCI-W22-H	<b>Dual loop universal controller wall mounted</b> Dual loop controller with PI- and binary sequences -H = int humidity sensor with accuracy 3 %	2 universal inputs (NTC, VDC, mA) 2 binary outputs (relays) 1 analog output (VDC, mA)
TCI-W23 TCI-W23-H	<b>Dual loop universal controller wall mounted</b> Dual loop controller with PI- and binary sequences -H = int humidity sensor with accuracy 3 %	1 universal input (NTC, VDC, mA), one passive input (NTC) 1 binary output (relays), 2 analog outputs (VDC, mA)
TCI-C11	Universal controller cabinet mounted Single loop controller with PI- and binary sequences	2 universal inputs (NTC, VDC, mA) 2 binary outputs (relays), 1 analog output (VDC, mA)
TCI-C13	Universal controller cabinet mounted Single loop controller with PI- and binary sequences	2 universal inputs (NTC, VDC, mA) 2 TRIAC outputs, 1 analog output (VDC, mA)
TCI-C14	Universal controller cabinet mounted Single loop controller with PI- and binary sequences	2 universal inputs (PT1000/NI1000, VDC, mA) 2 binary outputs (relays), 1 analog output (VDC, mA)
TCI-C15	Universal controller cabinet mounted Single loop controller with PI- and binary sequences	2 universal inputs (PT1000/NI1000, VDC, mA) 2 binary outputs (TRIAC), 1 analog output (VDC, mA)
TCI-C22	Dual loop universal controller cabinet mounted Dual loop controller with PI- and binary sequences	4 universal inputs (NTC, VDC, mA) 2 binary outputs (relays), 2 analog outputs (VDC, mA)
TCI-C24	Dual loop universal controller cabinet mounted Dual loop controller with PI- and binary sequences	4 universal inputs (PT1000/NI1000, VDC, mA) 2 binary outputs (relays), 2 analog outputs (VDC, mA)
TCI-C25	Dual loop universal controller cabinet mounted Dual loop controller with PI- and binary sequences	4 universal inputs (PT1000/NI1000, VDC, mA) 2 binary outputs (TRIAC), 2 analog outputs (VDC, mA)
AMM-2	Mounting kit for front panel mounting	





TCX2-OP



OPA2

### **Universal controls, TCX2 Series**

TCX2 series controllers are communicating universal multiple loop PI-controllers for cabinet mounting. OPA2 is the remote operation terminal for the TCX2 type of products.

- ▲ Universal controller with up to four control loops
- Programmable user and expert parameters
- Communicating with BACnet MS/TP and MODBUS
- RS485 communication
- Copy parameter sets with the AEC-PM1 memory plug-in
- Free heating or cooling with economizer function based on enthalpy or temperature
- ▲ Set point limitations
- ▲ Time schedule, clock with backup for 40863 type
- ▲ Optional integrated operation terminal for -40863 type
- Advanced control functions including alarms with configurable action at alarm state, cascading control loops, manual override analog outputs and more
- ▲ Special functions for remote enable/disable, remote heating/cooling change and more

Model	Variations	Features
TCX2-40863(-OP) TCX2-40863(-OP)-BAC TCX2-40863(-OP)-MOD	Universal controller cabinet mounted 4 control loops with PI- and binary sequences -OP: integrated operation terminal Power supply: 24VAC/DC	8 universal inputs (NTC, VDC, mA) 6 binary outputs (relays) 3 analog outputs (VDC, mA)
TCX2-13343-MOD TCX2-13343-BAC	Single loop controller cabinet mounted 1 control loop with PI- and binary sequences Power supply: 24VAC/DC	Ideal for VAV zone control 3 analog inputs (VDC), three passive inputs (NTC) 4 Binary outputs (relays), three analog outputs (VDC)
TCX2-14050-MOD TCX2-14050-BAC	<b>Single loop controller cabinet mounted</b> 1 control loop with PI- and binary sequences Power supply: 24VAC/DC	Ideal for fan coil applications 4 passive inputs (NTC) 5 binary outputs (relays)
TCX2-14273-24 TCX2-14273-24-MOD TCX2-14273-24-BAC TCX2-14273-230 TCX2-14273-230-MOD TCX2-14273-230-BAC	Single loop controller cabinet mounted 1 control loop with PI- and binary sequences -BAC: Communication for BACnet <sup>®</sup> MS/TP -MOD: Communication for Modbus -24: 24 VAC power supply -230: 230 VAC power supply	Ideal for zoning and general applications 4 passive inputs (NTC) 2 analog inputs (VDC) 4 binary outputs (relays 2 A) 1 binary output (relays 10 A) 2 TRIAC outputs (24 VAC switching to GND) 230 VAC types with 5 VA 24 VAC output
OPA2-VC	Operation terminal for TCX2 RS485 communication with TCX2	1 internal temperature sensor
OPA2-2T-VC OPA2-2HT-VC	Operation terminal for TCX2 With RH sensor 3 % accuracy	1 internal temperature and RH sensor 2 passive inputs (NTC or open contact)
AEX-MOD	Modbus Plug-in for TCX2	For Modbus slave communication
AEX-BAC	BACnet Plug-in for TCX2	For BACnet <sup>®</sup> MS/TP communication
AEC-PM1	Parameter memory backup for TCX2 Plug-in device to copy configuration of TCX2	Holds four parameter sets of TCX2

# VECTOR



### Temperature sensors, S-T, SD-T, SDB-T, SOD-T, SRA-T

Passive temperature sensors for a large variety of installation options and applications

- ▲ NTC, PT1000 and NI1000 elements
- Rigid housing
- ▲ IP 65 for SOD-T, SDB-T, S-T and IP 30 for SRA-T
- AMI immersion well for pipe applications (duct sensors)
- ▲ Large selection of sensing element types and curves
- ▲ Cable gland or conduit connectors for SDB and SOD
- Special elements or probe design available upon request

Model	Variations	Features
S-Txx*-2	Flying lead temperature sensor -2 = 2 m cable -Txx* = see probe selection	Passive temperature sensor
SC-Txx*-2	Flying lead contact sensor -2 = 2 m cable -Txx* = see probe selection	Passive temperature sensor for contact mounting on pipes
SD-Txx*-12-2 SD-Txx*-20-2	Flying lead duct temperature sensor Probe length = 12 cm Probe length = 20 cm -2 = 2 m cable -Txx* = see probe selection	Passive temperature sensor for duct mounting
SDB-Txx*-12 SDB-Txx*-20	Duct temperature sensor Probe length = 12 cm Probe length = 20 cm -Txx* = see probe selection	Passive temperature sensor for duct mounting with conduit connector
SOD-Txx*	Outdoor temperature sensor -Txx* = see probe selection	Passive temperature sensor for outdoor mounting with conduit connector
SRA-Txx*	<b>Indoor temperature sensor</b> -Txx* = see probe selection	Passive temperature sensor for indoor mounting

#### \*Probe selection (-Txx)

-Txx	Sensing element	Features
-Tn3	NTC 3 kΩ at 25 °C	B35/50: 3935
-Tn10	NTC 10 kΩ at 25 °C	B35/50: 3935
-Tn11	NTC 10 kΩ at 25 °C	B35/50: 3630
-Tn20	NTC 20 kΩ at 25 °C	B35/50: 4200
-Tn100	NTC 100 kΩ at 25 °C	B35/50: 4200
-Tp1	PT100	EN 60751
-Tp2	PT1000	EN 60751
-Tk5	NI1000	5000 ppm/K

# VECTOR



### Temperature and humidity transmitters, SRC, SDC, SOC

Active temperature and humidity transmitter for a large variety of installation options and applications.

- ▲ 3-wire transmitters with selectable 0/2 10 V or 0/4 20 mA outputs ranges
- Rigid housing
- Duct (SDC) and outdoor (SOC) transmitters have IP 54 housings- IP 63 with AMS-1 weather shield. Room transmitter (SRC) is IP 30.
- ▲ 5 %, 3 % or 2 % humidity accuracy
- ▲ Cable gland or conduit connectors for SDC and SOC
- Programmable output signal and temperature sensing ranges, plus min. and max value memory, with OPA-S remote or OPC-S integrated display/programming terminal.
- ▲ AMI immersion well for pipe applications (for duct temperature transmitters)

Model	Variations	Features
SRC-T1 SRC-H1 SRC-H1T SRC-H1T1 SRC-C1	<b>Transmitter for indoor mounting</b> Temperature transmitter Humidity transmitter Humidity transmitter with probe Temperature and humidity transmitter Indoor CO2 transmitter: 0 - 2000 ppm	Programmable transmitter 3-wire connection Output signal selectable with jumper (VDC, mA). Options: - Accuracy RH sensor (2, 3, 5 %, default 3 %) - OPA-S remote display
SDC-T1-x SDC-H1-x SDC-H1T-x SDC-H1T1-x SDC-C1	Transmitter for duct mountingTemperature transmitterHumidity transmitterHumidity transmitter with probeTemperature and humidity transmitterDuct CO2 transmitter: 0 - 2000 ppm-x = probe length:-8 = 8 cm-16 = 16 cm-24 = 24 cm (only for SDC-T1)	Programmable transmitter 3-wire connection Output signal selectable with jumper (VDC, mA) Options: - Accuracy RH sensor (2, 3, 5 %, default 3 %) - Conduit connector or cable gland - OPC-S display option
SOC-T1 SOC-H1 SOC-H1T SOC-H1T1	Transmitter for outdoor mounting Temperature transmitter Humidity transmitter Humidity transmitter with probe Temperature and humidity transmitter	<ul> <li>Programmable transmitter 3-wire connection</li> <li>Output signal selectable with jumper</li> <li>(VDC, mA). Options:</li> <li>Accuracy RH sensor (2, 3, 5 %, default 3 %)</li> <li>Conduit connector or cable gland,</li> <li>OPC-S display option</li> <li>AMS-1 weather shield</li> </ul>





## **Differential pressure & PT1000 transmitter**

The SDE-P is a compact dynamic pressure transmitter with high sensitivity. The SDA-P is a static differential pressure transmitter. Both transmitters come with programmable output range and min max memory. The SCC-T1-Tp2 is a programmable accurate signal converter for PT1000 sensing elements

- 3-wire transmitters with voltage and current outputs
- Rigid housing
- Remote display

- ▲ Cable gland or conduit connectors for SCC
  - Programmable with OPC-S and OPA-S min. / max memory
  - Integrated display for SCC with OPC-S

Model	Variations	Features
	Differential pressure transmitter	
SDE-P1	Pressure range: 025 Pa	Programmable transmitter 3-wire connection
SDE-P2	0500 Pa	Output signal: VDC
NEW!		Options:
		- OPA-S remote display
	Differential pressure transmitter	
SDA-P1	Pressure range: 0300 Pa	Programmable transmitter 3-wire connection
SDA-P2	0500 Pa	Output signal selectable with jumper (VDC, mA)
SDA-P3	01 kPa	Options:
SDA-P4	03 kPa	- OPA-S remote display
SDA-P5	05 kPa	
	PT1000 signal converter	
SCC-T1-Tp2	Conversion range -40+400 °C	Signal converter for a PT1000 input signal. Conversion
		to voltage or current signal, selectable with jumper
		Options:
		- AMC-1 cable gland
		- AMC-2 conduit connector
		- OPC-S integrated display
		- OPA-S remote display
	Integrated display and programming unit	Plug-in to transmitter to display min. / max. values,
OPC-S	Used for SCC, SDC, SOC transmitters	current values and to program input and output
		ranges
	Remote display and programming unit	Plug-in to transmitter to display min. / max. values,
OPA-S	Used for SDA, SDC, SOC, SRC transmitters	current values and to program input and output
		ranges
	Universal operation terminal for Modbus	2 passive inputs
OPA2-MOD(-H)	The OPA2-MOD is a universal operation	1 internal temperature sensor
	terminal for RS485 Modbus communication	1 optional internal humidity sensor
	-H: humidity sensor	

# VECTOR



Accessories

- AMI immersion well for pipe applications (duct sensors and temperature transmitters)
- Cable gland or conduit connectors for SDB and SOD
- ▲ Flush mounting box for TCY, TLC-FCR series
- ▲ Wall mounting box for TCI-W, TCY, TLC-FCR series
- ▲ Compact condensation monitor AER-HL1
- ▲ Infrared remote controller OPR-1
- ▲ Humidity and temperature sensing elements
- Plug-in modules

Model	Variations	Features
	Stainless Steel pocket	Stainless steel pocket with fixing screw
AMI-S5(-1)(-2)	Length 5 cm	For immersion mounting of SD-T or SDB-T
AMI-S10(-1)(-2)	Length 10 cm	-1 with 1/2" NPT thread
AMI-S20(-1)(-2)	Length 20 cm	-2 with ½"BSP thread, NEW!
AMI-S40(-1)(-2)	Length 40 cm	
AMC-1	Cable gland	Cable gland and conduit connector needed for SDC and
AMC-2	Conduit connector	SOC, SCC
AMS-1	Weather shield for SOC, SDC	Option for SOC-H1, H1T, H1T1, T1
AMB-001	Flush mounting box	
AMB-005	Wall mounting box	
OPR-1	Infrared remote controller	Infrared remote controller for Deluxe types fan coil
		controller
AER-D13	Converter AO-DO	AO-DO converter 1 AO to 3 DO adjustable switching
		point
AER-HL1	Condensation monitor for chilled	Compact device to switch a relays, if humidity exceeds
AER-HL1-2	beams, cool ceilings, etc. to prevent	90 % RH, reactivates when RH falls below 85 %
NEW!	condensation	Device is programmable with min-max memory
AES1-HT-A5	Humidity sensing element: needed for	5 % accuracy
AES1-HT-A3	-H1, -H1T1	3 % accuracy
AES2-HT-A3		3 % accuracy
AES1-HT-A2		2 % accuracy
	Humidity sensing element for -H1T	3 % accuracy
	transmitters	
AES-HTn3-A3	NTC 3 kΩ at 25 °C	B35/50: 3935
AES2-HTn10-A3	NTC 10 kΩ at 25 °C	B35/50: 3935
AES-HTn11-A3	NTC 10 kΩ at 25 °C	B35/50: 3630
AES-HTn20-A3	NTC 20 kΩ at 25 °C	B35/50: 4200
AES-HTn100-A3	NTC 100 kΩ at 25 °C	B35/50: 4200
AES-HTp1-A3	PT100	EN 60751
AES-HTp2-A3	PT1000	EN 60751
AES-HTk5-A3	NI1000	5000 ppm/K



# Vector Controls – your reliable partner

Customer groups	Experiences	
Building owners and managers	"Reduced operating costs, increased life quality"	
	▲ Automatic switching of occupied/unoccupied modes, heating/cooling, and set point	
	shifts based on 7-day programmable time schedules, remote temperature or	
	occupancy sensor input.	
	▲ Password-protected control settings – no need for unattractive thermostat covers.	
	▲ Customizable minimum and maximum set points and mode shift levels save energy.	
	▲ Large customizable LCD display and attractive housings appropriate for any décor.	
Distributors	"Less inventory, more applications, clear sales channels, competitive pricing"	
	▲ The Vector Controls parameter-setting system allows one product to cover a wide	
	range of applications, so you can keep stock levels down and turn-over up.	
	Simple parameter-based configuration that walk-in customers can apply quickly and	
	accurately to suite their applications.	
	▲ Full range of controllers and sensors.	
	Competitive pricing and clear sales channels make Vector a reliable long term	
	business partner.	
Contractors	"A solid product line I can count on"	
	▲ A complete range of robust, accurate controllers and sensors that cover most HVAC	
	applications – From VAV to air handling to radiant systems; temperature, humidity	
	and pressure control.	
	▲ Wall and cabinet mounted controllers with sophisticated easy-to-implement PI	
	control features with no separate configuration tools required.	
	Simple parameter-based configuration that walk-in customers can apply quickly and accurately to suite their applications.	
Manufacturers	"Reliable technology with a long-term partnership"	
	The Vector product platform is well suited to customization at large as well as	
	medium volume levels.	
	The Vector Controls engineering team in Switzerland provides professional	
	assistance in developing creative solutions to product and engineering challenges.	
	Parameter-based configuration offers easy flexibility for basic and complex	
	applications.	
	▲ A ten-year record of success working with OEMs world-wide plus two-year warranty	
	makes Vector a logical partner for controls and sensors.	







Reliable, Flexible, Affordable -

Worldwide

#### **Quality - Innovation - Partnership**

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