

Manor Farm Industrial Estate,
Flint, Flintshire CH6 5UY

**PLEASE COMPLETE AND RETURN AS SOON AS POSSIBLE
TO ALLOW DESIGN/MANUFACTURE TO PROGRESS**

Telephone +44 (0)1352793222
Email: orders@tvcl.co.uk

TVC Quote No. Company Name Company Contact Address

Delivery Address
(if different from
above) Customer Job No. Site Reference

The above references will be
added to all documentation
including drawings

Note: this document will be the official document used to configure your controller. Complete it carefully as any changes may result in additional cost and delayed delivery. Any features requested in this document that are not already included in the quotation may be subject to a price increase.

REQUIREMENTS

Please complete the attached questionnaire and supply all relevant information in order that the lift control panel(s) may be designed and manufactured. Inaccurate or incomplete information may delay delivery.

For Modernisation jobs, all application data on existing equipment and any requirements not covered on the quotation should be recorded and attached to this form.

Please contact TVC if any questions arise regarding the required data.

Authorised By: Print Name: Date:

TVC cannot accept this document unless signed and dated

Internal use only. TVC contract number:

MAINS SUPPLY

Volts

Phase

Hz

Is a Suitable
Neutral Available?Yes
4 WireNo
3Wire

PUMP MOTOR

Manufacturer	
Power	KW
Full Load Current	A

PUMP MOTOR CONTROL METHOD

Bucher VVVF		For VVVF control methods, please supply the manufacturer's data sheet for the application
ALGI VVVF		
Star/Delta		
Direct-on-line		
Soft Starter		Please provide details below
Other		Please provide details below

APPLICATION DETAILS

Car Speed m/s

VALVE UNIT

Buchser Eco Line (VVVF) - iValve

☐


With Super Capacitor

☐

Buchser Eco Line (VVVF) – ELRV

☐


With Accumulator

☐

Buchser Comfort Line – iValve

☐

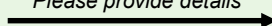
Buchser Comfort Line – ELRV

☐

Other

☐

Please provide details

Manufacturer
Type

No: of Valves

--

Valve Solenoid Voltage

AC/DC

OTHER FEATURES

Please select all features to be included

Oil Cooler

☐
Voltage: VPhases: Current: A

Oil Heater

☐
Voltage: VPhases: Current: A

Pawl Devices

☐

Please supply data sheet and full details

Buchser DZE Pressure Switch

☐

Buchser Emergency Stop Solenoid

☐
Voltage: 110Vac 230Vac24Vdc supplied as standard
for iValve applications

DOOR CONTROL

No of Car Entrances

1

2

If 2 entrances

Non-Selective
Door OpeningSelective
Door Opening**Select Type**

Fully Automatic Car & Landing

☐Complete **SECTION A** below only

Manually Operated Car & Landing

☐Complete **SECTION B** below only

Fully Automatic Car & Manually Operated Landing

☐Complete **SECTIONS A & B** below**CAR DOOR OPERATOR****SECTION A****Select Type**

GAL VVVF

☐

Is GAL HA (Fault Monitoring) Unit Fitted

Yes

No

FERMATOR VVVF

☐

SEMATIC VVVF

☐

Select Type

SDS

F28

F29

SELCOM VVVF

☐

Select Type

SUPRA

MIDI

ECO

SIEMENS

☐

Select Type

AT18

AT25

AT40

OTHER

☐

Provide Details

RETIRING RAMP**SECTION B**

Voltage

Vdc

Power Rating

W

SPECIAL DOOR CONTROL REQUIREMENTS

Please specify any special door control requirements

DIGITAL POSITION INDICATORS**24Vdc****Select Manufacturer****Specify Type**

Dewhurst

Stentorgate

ILE 4 Wire Serial

A&A Omega 4

Drucegrove

Digital Advance

Other

Standard position indicator signals

Floor Position, Lift Direction,

Lift on Fire Control,

Lift Overloaded, Lift Out of Service

Please provide a list of any additional
indicator messages

Displays fitted at:

Car

☐

Main Floor

☐

All Floors

☐*(If free issue encoder, please ensure we receive
the unit at least two weeks before despatch date,
if not, we reserve the right to dispatch the
contract minus the free issue equipment fitted)*Battery Backed Up Indicator Supply
(Lift out of service message)

Y

N

*If selected, TVC standard Back up duration is for 3 Hours*Discrete Hall Lantern Arrows
(Not driven by the Digital Display system)

Y

N

*Please provide details***SPEECH UNIT****24Vdc****Select Manufacturer**

Dewhurst

Stentorgate

ILE

Drucegrove Digitalker

Digital Advance

Other

Standard speech unit signals

Floor Position, Doors Opening, Doors Closing,

Lift Direction, Lift on Fire Control,

Lift Overloaded, Lift Out of Service

Please provide a list of any additional
speech messages

Specify Manufacturer & Type

SPECIAL REQUIREMENTS

Please specify any additional indicator/speech/gong requirements

LIFT SETUP / APPLICATION

No of Floors

Please insert floor markings

Front Entrances

Rear Entrances
(If applicable)

Floor Height (M)

(3M floor heights will be assumed if not specified)

Main (Homing) Floor

Control System

Simplex

Duplex

Group

HCD
Navigator*If Duplex, Group or HCD system and all lifts do not serve all floors, please supply full details of entrance layout*

Full Collective

Down Collective

Non-Selective Collective

FAPB Control

LIFT POSITIONING SYSTEM**LIMAX – Shaft Mounted Tape System**Lifts with
relevellingAbsolute
PositionAuto Shaft
LearnFirefighting
Applications

Speeds up to:

✓

✓

✓

✓

6.0 m/s

The Limax uses a shaft mounted tape system, please specify the Tape length required

 M*The Elgo LIMAX shaft position system is an easy-to-install, high performance system suitable for all applications. Requires door zone switches in the lift shaft.*



CONTROLLER OPTIONS

Please select all options required to be included within the TVC control system

Remote OSG Trip Solenoid interface	<input type="checkbox"/>	Voltage:	<input type="text"/> V																								
Remote OSG Reset Solenoid interface	<input type="checkbox"/>	Voltage:	<input type="text"/> V																								
Digital Handwind Unit	<input type="checkbox"/>																										
Eco-mode	<input type="checkbox"/>																										
Panel mounted Emergency Stop switch	<input type="checkbox"/>																										
Unintended Car Movement Protection	<input type="checkbox"/>	Achieved by:	<table border="1"> <tr> <td>OSG Solenoid</td> <td>Manufacturer</td> <td>Solenoid Voltage</td> </tr> <tr> <td></td> <td></td> <td>V</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Achieved by:</td> <td>Bucher DSV-A3</td> </tr> <tr> <td></td> <td></td> <td>Solenoid Voltage 110Vac</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Achieved by:</td> <td>Bucher iValve</td> </tr> <tr> <td></td> <td></td> <td>Solenoid Voltage 230Vac</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Achieved by:</td> <td>Other</td> </tr> <tr> <td></td> <td></td> <td>Please provide details</td> </tr> </table>	OSG Solenoid	Manufacturer	Solenoid Voltage			V	<input type="checkbox"/>	Achieved by:	Bucher DSV-A3			Solenoid Voltage 110Vac	<input type="checkbox"/>	Achieved by:	Bucher iValve			Solenoid Voltage 230Vac	<input type="checkbox"/>	Achieved by:	Other			Please provide details
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<input type="checkbox"/>	Achieved by:	Other																									
		Please provide details																									
Swipe Card interface	<input type="checkbox"/>	Please supply full details in the "Special Requirements" section on page 7																									
Automatic Rescue Device (UPS)	<input type="checkbox"/>	Rescue lift at reduced speed to:	<table border="1"> <tr> <td>Nearest Floor & shutdown</td> <td>Main Floor & shutdown</td> </tr> </table>	Nearest Floor & shutdown	Main Floor & shutdown																						
Nearest Floor & shutdown	Main Floor & shutdown																										
Engineer's Access Control	<input type="checkbox"/>	Allows safer access to the lift Cartop for maintenance personnel																									
Building Management Interface	<input type="checkbox"/>	Please supply full details in the "Special Requirements" section on page 7																									
Emergency Generator Supply	<input type="checkbox"/>																										
TVC Elevator Monitoring Unit (EMU)	<input type="checkbox"/>																										
TVC Autodialler	<input type="checkbox"/>	→	<table border="1"> <tr> <td>EM181</td> <td>LX8</td> </tr> </table>	EM181	LX8																						
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E-Director	<input type="checkbox"/>	E-Director offers a graphical representation of the Ethos control systems, from simplex to full group																									
Hospital Priority Control	<input type="checkbox"/>	Please supply full details in the "Special Requirements" section on page 7																									
EN81-20:2014 Compliant Lift	<input type="checkbox"/>																										
EN81-21:2018 Compliant Lift	<input type="checkbox"/>																										
EN81-71:2005 Vandal Resistant Lift	<input type="checkbox"/>	→	<table border="1"> <tr> <td>Category 1 Lift</td> <td>Category 2 Lift</td> </tr> </table>	Category 1 Lift	Category 2 Lift																						
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EN81-72:2015 Fire fighting Lift	<input type="checkbox"/>	Note: TVC only offer a Robust enclosure, not Certified Vandal resistant																									
EN81-73:2016 Fire Alarm	<input type="checkbox"/>																										
BS9999:2017 Evacuation control	<input type="checkbox"/>																										
Lift Consultants' Specification	<input type="checkbox"/>	→	<table border="1"> <tr> <td>Specification reference:</td> </tr> <tr> <td>Applicable pages:</td> </tr> </table>	Specification reference:	Applicable pages:																						
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ANCILLARY ITEMS

Please select all items required to be supplied by TVC with the control system

Overspeed Governor	<input type="checkbox"/>	TVC Standard offering is 300mm Bi-Directional 24Vdc Parking & 230Vac Reset Solenoid
OSG Tension Weight	<input type="checkbox"/>	TVC Standard offering is a 45Kg Pit Mounted unit $\frac{c}{w}$ Pulley Wheel
Emergency Stop Switch	<input type="checkbox"/>	
Rubber Electrical Safety Mat	<input type="checkbox"/>	1200mm x 1000mm x 9mm
Pre-wired Limit Switch Tree & Ramp	<input type="checkbox"/>	1 x 4 limit tree, 1 x 3 limit tree & 2.8M Adjustable Ramp
TVC Cartop Control Unit	<input type="checkbox"/>	EN81-20 Compliant
TVC Pit Control Station	<input type="checkbox"/>	EN81-20 Compliant
Cabinet Plinth	<input type="checkbox"/>	<div style="display: inline-block; text-align: center;"> <i>Height</i>  <div style="display: inline-block; border: 1px solid black; padding: 2px 5px;">100</div> <div style="display: inline-block; border: 1px solid black; padding: 2px 5px;">200</div> <div style="display: inline-block; border: 1px solid black; padding: 2px 5px;">300</div> mm </div>
Cabinet Wall Mounting Brackets	<input type="checkbox"/>	
Lift Fixtures	<input type="checkbox"/>	TVC may contact you to discuss your requirements
LSOH Trailing Flexes	<input type="checkbox"/>	<div style="display: inline-block; text-align: center;">  Lift travel <input type="text"/> Trailer length <input type="text"/> </div> <p style="text-align: center; margin-top: 5px;"><i>If Trailing Flexes are specified, TVC will supply them suitable for the application; unterminated</i></p>

SPECIAL REQUIREMENTS

Please specify details for any special requirements:

STANDARD FEATURES INCLUDED IN THE CONTROL PANEL**Control Features**

110V/230VAC Door detector supply
Emergency lighting / Alarm supply 12Vdc 1A/hr
Standard adhesive component labels
Dewhurst EnBuzz interface
Dual illumination
Non-adjustable Thermostat
Phase failure / phase reversal protection
Motor thermistor protection
Door open & door close push indicator outputs
Alarm Filtering in compliance with EN81-28:2014
Emergency electrical operation
ECO mode car light & fan turn off
Door Nudging (Feature can be enabled via Ethos MMI)
Advance door opening (Feature can be enabled via Ethos MMI)
Relevelling
Volt-free Lift in/out of service & Lift alarm contacts
Top of Car Termination Box (Including serial Car Module)

Standard Ethos Microprocessor features

Service control / Car preference
90% load weighing
110% load weighing
Emergency recall to fire floor (selected via Ethos MMI), doors dwell closed
Fire alarm recall to fire floor (selected via Ethos MMI), doors park open (default)
Homing (floor selected via Ethos MMI)
Anti nuisance
Door disable switch
Prepare to test switch
Double journey timer
English language Colour touch screen MMI
Facility for inserting car & landing calls via Ethos MMI
Floor position, car direction, doors status & lift status graphical display
Digital trip counter
Door nudging buzzer output
No Entry Indicator Output
Shaft self-learning for quicker installations

Call pushes

24Vdc 3 wire Car & Landing call pushes.
Maximum power rating for each call push 1W

Controller Mechanics

Wall/floor mounted cabinet, powder coated mild steel
Dimensions: Height 1200 - 1800mm, Width 800mm, Depth 400mm
DBR resistors (where required) mounted on the top of the cabinet
Centre opening doors.
IP22 rating

Compliance details

Products are manufactured within a system certified to BS EN ISO9001:2000