



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.	Customer Job No.
Company Name	Site Reference
Company Contact	The above references will be added to
Address	all documentation including drawings
Delivery Address (if different from	
above)	
,	

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.

Print Name:	Date: VC cannot accept this document unless signed and dated	
Internal	use only. TVC contract number:	

ED5 Forms		tv	Thames Valley Control
MAINS SUPPLY	Volts Phase Hz	Is a Suitable Neutral Available?	Yes No 4 Wire 3Wire
		RER DATA SHEET FOR APPLICATION OR CO	MPLETE DETAILS BELOW Motor data sheet ref number
Data Sheet attached	No Yes	s	
			Proceed to NEXT SHEET
MOTOR Manufacturer Type V Hz RPM KW Full Load Current Flywheel/Heavy Brake Coupling We will assume the or please supply full details in BRAKE Lift Voltage Vdc Hold Voltage Vdc	Yes No No No No No No No No No No	Sheave I G G Motor RPM Re Achieve Contra	se Mechanical Electrical
PULSE ENCODER (Closed Loop 1024PPR 10-30Vdc Push/Pull Co 1024PPR 10-30Vdc Differential 4096PPR 5Vdc Differential RS42 2048PPR 5Vdc EnDat Absolute Other (Please provide details)	omplimentary RS422 Line Driver 22 Line Driver		Revolution PPR Voltage V Output onfiguration
MOTOR FAN Electrical Motor Fan Ye			new Sassi motors require a 0.14A 1Phase motor fan





LIFT SETUP / APPLIC	ATION																
No of Floors																	
Please insert floor m	narkings																
Front Entrances]
Rear Entrances (If applicable)																	
Floor Height (M)																	J
(3M floor heights will	be assumed if	not specified)														
Main (Homing) Floor]															
Control System	Simplex	:	Duplex			Grou	c		HCD vigato	or		do no	t serve	e all fl		em and upply f out	
																	_
Full Collect	tive	Do	wn Colle	ective	9		Non-	Selecti	ve Col	lectiv	e		FAF	PB Co	ontrol		
SAFETY FEATURES																	
Safety Gear (EN81-20 § 5.6.2)	Me	chanical	El	lectro	ome	chanio	al										
					L				(Bi-d	lirectio	Provi nal with	de full h 24Vd		oid red	quired)		
Unintended Car Move (EN81-20 § 5.6.7.7 / 5		ction		Stopp eleme		• 	Du Lift Bi				Only	availat		n Di di	rection	~1	
						•	Safety				Electi	romech	anical	Safety	Gear.		
								d activat safety ge			M	1anufa	cturer		Soleno	id Volta	ge V
						•	Oth	er				F	Please p	provid	e detail	s	
Reduced Buffer Strok (EN81-20 § 5.12.1.3)	<e< td=""><td>Ye</td><td></td><td>es, spe</td><td></td><td>eed</td><td></td><td>m/s</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></e<>	Ye		es, spe		eed		m/s									





-						
DOOR CONTROL						
No of Car Entrances	1 2 If 2 entrances —		 Non-Select Door Ope 		Selective Door Opening	
		Select Type				
Fully Automatic Car & Landing		Comp	lete SECTION A b	elow only		
Manually Operated Car & Landi	ng	Comp	lete SECTION B b	elow only		
Fully Automatic Car & Manually	Operated Landing	Comp	lete SECTIONS A	& B below		
CAR DOOR OPERATOR			SECTIO	NA		
Sele	ect 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	AT40	
OTHER	Provide Details					
RETIRING RAMP			SECTIO	N B		
Voltage	Vdc					
Power Rating	w					
SPECIAL DOOR CONTROL REQU	IREMENTS					
Please specify any special doo	or control requirements					
					Page 4	





24Vdc Select Manufacturer Specify Type	
Dewhurst	Standard position indicator signals Floor Position, Lift Direction,
Stentorgate	Lift on Fire Control, Lift Overloaded, Lift Out of Service
ILE 4 Wire Serial	Please provide a list of any additional
A&A Omega 4	indicator messages
Drucegrove	
Digital Advance	
Other	
Displays fitted at:	(If free issue encoder, please ensure we receive
Car Main Floor All Floors	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 1 Hour
Discrete Hall Lantern Arrows	
(Not driven by the Digital Display system)	ease provide details
SPEECH UNIT 24Vdc	
Select Manufacturer	Standard speech unit signals Floor Position, Doors Opening, Doors Closing,
Dewhurst	Lift Direction, Lift on Fire Control,
Stentorgate	Lift Overloaded, Lift Out of Service
ILE	Please provide a list of any additional speech messages
ILE Drucegrove Digitalker	Please provide a list of any additional speech messages
Drucegrove Digitalker	
Drucegrove Digitalker Digital Advance Other Specify Manufacturer & Type	
Drucegrove Digitalker Digital Advance Other Specify Manufacturer & Type SPECIAL REQUIREMENTS	
Drucegrove Digitalker Digital Advance Other Specify Manufacturer & Type	
Drucegrove Digitalker Digital Advance Other Specify Manufacturer & Type SPECIAL REQUIREMENTS	
Drucegrove Digitalker Digital Advance Other Specify Manufacturer & Type SPECIAL REQUIREMENTS	
Drucegrove Digitalker Digital Advance Other Specify Manufacturer & Type SPECIAL REQUIREMENTS	





- requires NO door zone switch	erformance system suitable for all applications. nes in the lift shaft. stem, please specify the Tape length required.	Μ
– uses a snart mounted tape sy		
	Lifts with Absolute relevelling Position Auto Shaft Learn	Firefighting Applications Speeds up to:
Can be used for lifts requiring the these features	✓ ✓ X	 ✓ 6.0 m/s
please ensure Note: these forms will be the	safety features, it will be pre-configured at TVC to a all safety features required are selected from to official document used to configure your Limax by changes will require a replacement Limax3Cl	hese forms. «3CP.
Safety Feature	Fulfilled by Limax3CP	Normative reference
Overspeed pre-tripping	Only when used with a Bi-directional Electromechanical Safety Gear.	EN81-20 § 5.6.2.2.1.6.a
Overspeed final tripping	Only when used with a Bi-directional Electromechanical Safety Gear.	EN81-20 § 5.6.2.2.1.1.a
Final Limit Switches	Yes	EN81-20 § 5.12.2.3.1.b
Inspection Limit Switches	Yes	EN81-21 § 5.5.3.4 / § 5.7.3.4
Door bridging (Monitoring the levelling and relevelling)	Yes	EN81-20 § 5.12.1.4
Unintended car movement protection	Only when used with either a Bi-directional Electromechanical Safety Gear, Dual Brake or a conventional safety gear triggered by a conventional speed governor, which in turn is triggered via a solenoid	EN81-20 § 5.6.7.7
Upper Pre-triggered Stopping System (Reduced clearances in the headroom)	Only when used with a Bi-directional Electromechanical Safety Gear or a	EN81-21 § 5.5.2. <mark>3</mark>
Lower Pre-triggered Stopping System (Reduced clearances in the pit)	conventional safety gear triggered by a conventional speed governor, which in turn is triggered via a solenoid	EN81-21 § 5.7.2. <mark>3</mark>
Deceleration control for Reduced stroke buffer	When specified/required	EN81-20 § 5.12.1.3





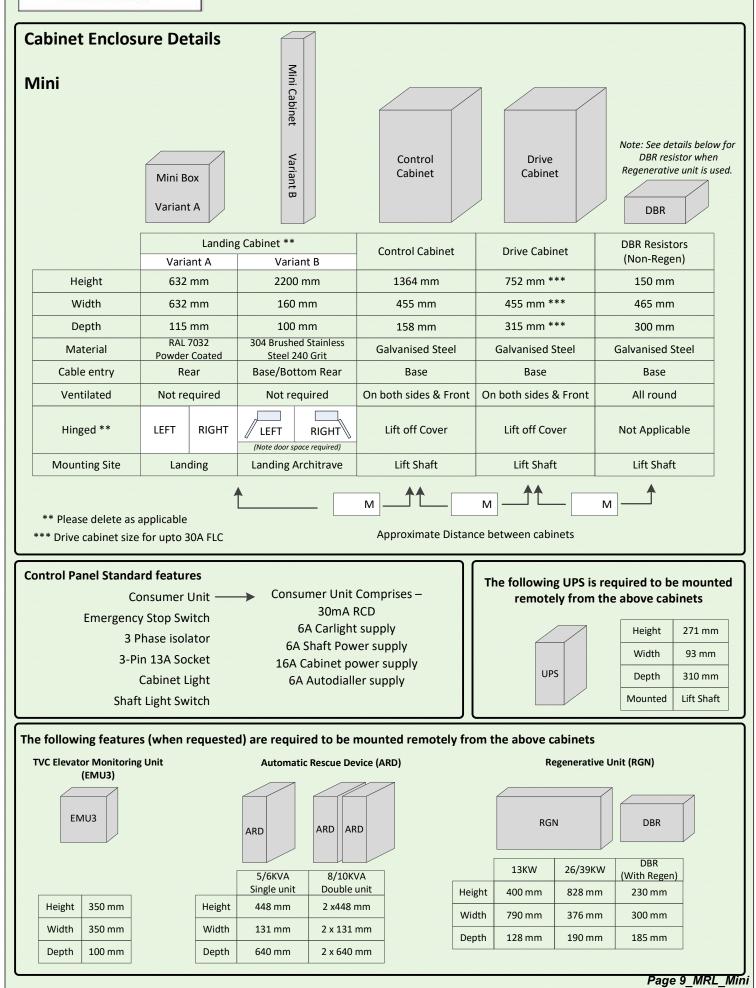
CONTROLLER OPTIONS	
Please select all option	ns required to be included within the TVC control system
Remote OSG Trip Solenoid interface	Voltage: V
Remote OSG Reset Solenoid interface	Voltage: V
Digital Handwind Unit (HW03)	
Eco-mode	
Panel mounted Emergency Stop switch	
Swipe Card interface	Supply full details in the "Special Requirements" section on page 7
Automatic Rescue Device (UPS) (Requires a suitable Neutral connection)	Rescue lift at reduced speed to: Nearest Floor Main Floor & shutdown
Regenerative Drive	
Engineer's Access Control	Allows safer access to the lift Cartop for maintenance personnel
Advance Brake Lift	Allows Lift Brake to energise whilst lift doors are closing for faster take off
Building Management interface	Supply full details in the "Special Requirements" section on page 7
Emergency Generator Supply	
TVC Elevator Monitoring Unit (EMU)	
TVC EM181 Autodialler	
E-Director	<i>E-Director offers a graphical representation of the Ethos control systems, from simplex to full group</i>
Hospital Priority control	Supply full details in the "Special Requirements" section on page 7
EN81-20:2014 Compliant Lift	
EN81-21:2018 Compliant Lift	If selected, complete the details on attached "EN81-21" form.
EN81-71:2018 Vandal Resistant Lift	Category 1 Lift Category 2 Lift
EN81-72:2015 Fire fighting Lift	Note: TVC only offer a Robust enclosure, not Certified Vandal resistant
EN81-73:2016 Fire Alarm	
BS9999:2017 Evacuation control	
Lift Consultants' Specification	Specification reference:
	Applicable pages:
	Select preferred Option
Cabinet Enclosure Details (See attached Mini/Mi	
	er site installation:e.g. Trailing Flexes, Cartop Control Unit, COP, LOP.
Select if Pre-wired devices are required	If selected, complete the details on attached " Pre-wired " forms.

Page 7_Options_MRL

ED5 Form	s			tvc Than	nes Valley Cont
EN81-21 Comp	oliance	Yes No —	the TVC contr	select all options requ ol system design. d to next sheet.	ired to be included withi
EN81-21: Clause 5.5 Reduced clearances i	in headroom	If required, s	elect method to be used:		
Moveable stops	Yes N	0 If yes, provide details	→		
Pre-tiggered stopping system	Yes N			[1,00M
	17 yes, sele 5.5.2.4	ct Height of refuge space as EN	51-21 ÿ	-	Crouching 2,00M Upright
Extendable car roof l	balustrade			de full details of syst	em to be used
EN81-21: Clause 5.6 Extendable car roof l EN81-21: Clause 5.7 Reduced clearances i	in pit		→ Please provio	de full details of syst	em to be used
Extendable car roof l EN81-21: Clause 5.7 Reduced clearances i Moveable stops	in pit Yes N	o If yes, provide details		de full details of syst	em to be used
Extendable car roof l EN81-21: Clause 5.7 Reduced clearances i	in pit Yes N Yes N	o If yes, provide details o t Height of refuge space			
Extendable car roof l EN81-21: Clause 5.7 Reduced clearances i Moveable stops Pre-tiggered	in pit Yes N Yes N If yes, selec As EN81-21 And also th Car buffer of	If yes, provide details If yes, provide details	ect method to be used: → Lift Car		em to be used

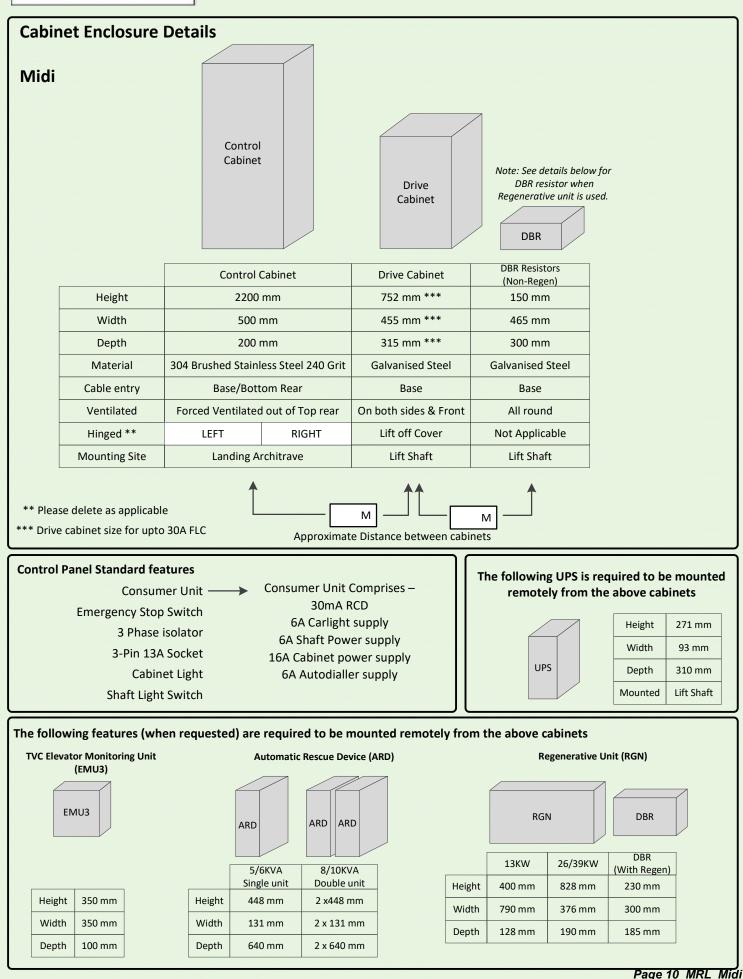






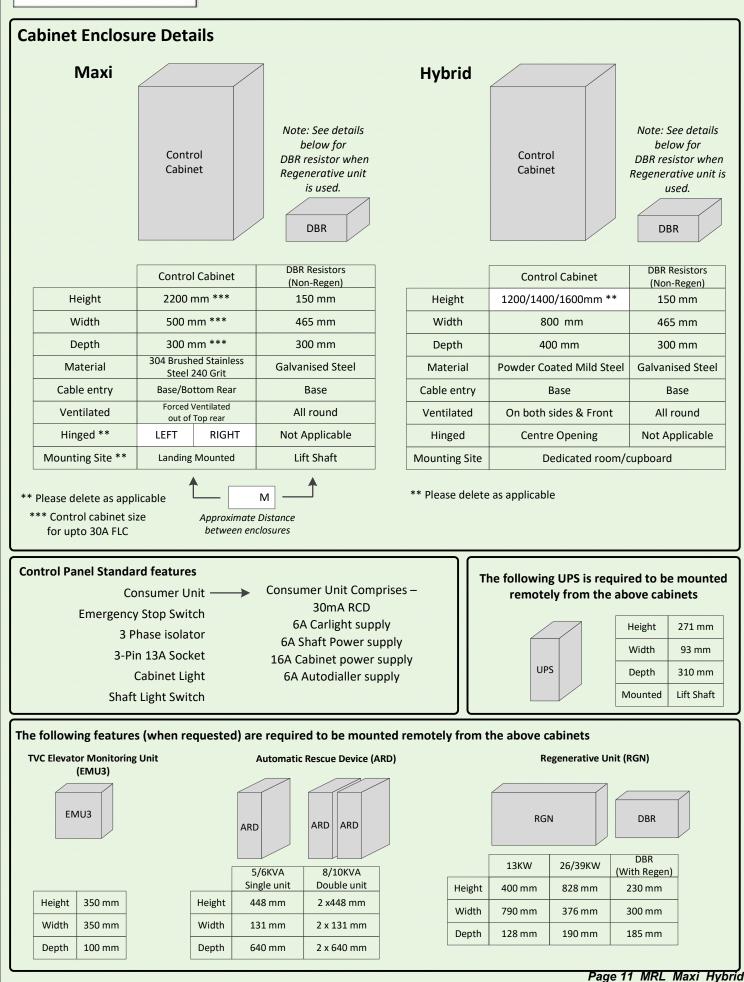
















STANDARD FEATURES INCLUDED IN THE CONTROL PANEL

Control Features

1	10V/230VAC Door detector supply
Α	larm supply 12Vdc
S	tandard adhesive component labels
C	Dewhurst EnBuzz interface
D	Dual illumination
Ν	Ion-adjustable Thermostat
Ρ	hase failure / phase reversal protection
Ν	Notor thermistor protection
D	Door open & door close push indicator outputs
Α	larm Filtering in compliance with EN81-28:2018
E	mergency electrical operation
E	CO mode car light & fan turn off
D	Door Nudging
Α	Advance door opening
R	Relevelling
۷	olt-free Lift in/out of service & Lift alarm contacts
Т	op of Car Termination Box (Including serial Car Module)
L	ow Smoke Zero Halogen cable
Ν	Ainiature Circuit Breaker protection

The following assumptions will be made unless specifically stated otherwise.

Lift counterweighted at 50%. Gear efficiency approximately 70%. Well efficiency approximately 80%. No compensation ropes fitted.

Maximum acceleration & jerk rates Please specify if alternate values are required

Lift speed (m/s)	Accel rate (m/s²)	Jerk rate (m/s³)
< 1.0	0.4	0.6
1.0 - 1.5	0.7	0.75
1.6 - 2.4	0.8	0.9
2.5 - 2.9	0.9	1.0
3.0 - 4.9	1.0	1.25
5.0 - 5.9	1.2	1.5
> 5.9	1.2	1.8

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

Call pushes

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

Controller Mechanics – Non MRL

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 **Controller Mechanics - MRL** Refer to MRL ED5 forms for available controller mechanical options.

Compliance details

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