

Phone: (916) 428-1708, Fax: (916) 428-1728 Email: sales@elevatorcontrols.com

Pixel	Hydro Controller Data Forms			
Project Data				
Pixel Hydro Data Forms.xls Revised 11/24/2020 Page 1 of 8				
Job Name:		EC Job Numbe		

Date Received:

Instructions:

- 1. Please fill out these data forms as completely as possible. Incomplete data may delay delivery.
- 2. A blank or no selection will be considered as item not applicable to this project.

3. All applicable data should be measured on the existing equipment, when	
4. The bottom landing shall be referred to as landing 1, and shall be the ref	
5. Contact Elevator Controls Corporation engineering department at 916-42	
NOTE: Your controller will be built according to the data EC Quote #: P.O. #:	Customer #:
Job Name:	Yes No Job Specifications Yes No Specifications have been sent to EC
Job Location:	Consultant:
Job Address:	Contact:
Job City:	Phone: Fax:
Job State: Zip Code:	Email:
Contractor Information:	Installation Type: New Construction
Company:	Modernization
Contact Name:	Duty Type: Passenger Service Freight
Address:	Building Classification:
City:	Office Hotel, Apartment, Condo
State: Zip Code:	Government Hospital/Medical Facility
Phone: Fax:	School or University Prison/Jail
Email:	Other:
Liliali.	Other.
Shipping Information: Company:	Code Compliance United States: A17.1-20xx -16 -13 -10 -07 -04
Contact Name:	Other (specify) -
Shipping Address:	Other (Specify)
City: State: Zip Code:	Code Compliance International:
Phone: Fax:	Canada B4416 -13 -10 -07 -04
Email:	Other (specify) -
Notice Required:	Other (Specify)
24 Hours 48 Hours Other:	Additional state or local code compliance:
Shipping Method: Ground Air	Chicago Nebraska
Lift gate truck required	GSA/Federal New York City
Motor(s) ship to address (if supplied by EC):	Michigan Washington (Seattle)
Motor Reference #:	Other
Same as above shipping information	
Contact Name:	Additional Compliance Requirements? Explain
Shipping Address:	
City: State: Zip Code:	
Phone: Fax:	
Email:	
Delivery Schedule	
Controller Delivery Date (on site)	Data Forms Completed By:
Car	Name/Title:
Car	Phone: Fax:
Car	Mobile:
Car	Email:
Group	Company:
Cross Registration Panel	Signature:



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Hoistway Data				
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Joh Name [.]		IF.	C.Joh	

Number:

Instructions:

- 1. Place an "X" in the appropriate box to indicate a floor opening. (F=Front & R=Rear)
- 2. To ensure the proper Landa stainless steel coded tape length, indicate all floor heights (including overhead and pit).

3. Provide an additional hoistway data page for each elevator that has different floor heights or openings EC Elevator ID: Car A Car B Car C Car D Car E CODE Car Hall I.R. C.L. **BLUE** C.L. Building Elevator ID: LDG Floor Floor F F F F R F R F R F R F R R R R R R R # Label Height Overhead 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 Pit Lobby landing #: Capacity: lbs Floor Label: kg Car C.L. = Car Call Lockout Floor Speed: m/s fpm Hall C.L. = Hall Call Lockout Floor I.R. = Inconspicuous Riser (Swing Op.) Total Travel Traveler* ft m Kellems Grips (total gty):

Final limit switches by EC (needed for traction elevators only, 2 total, cam by others)**

Each Pixel control system includes Landa, a non-contact encoded car positioning system that features an encoded stainless steel tape and requires no magnets or terminal slow down switches to be installed.

Standard hoistway equipment is NEMA 1

Other:

1

Number of Hoistways:

2

^{*}Specify travel cable length if ordering Pixel custom travel cable (optional). Specify length needed per car.

^{**}Mechanical (LS1) final limit switches come with standard 15lbs rail brackets and hardware.



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Pixel Hydro Controller Data Forms

Control Features

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Job Name:	EC Job	
	Number	:

Machine room space limitations H W D	Attendant Operation Annunciator panel in car
Explain:	Car to Lobby Switch: Car Hall Other
Refer to page 6 of data forms for NEMA 1 enclosure sizes	Cancel car calls immediately Answer new car calls
Controller NEMA Rating Requirement:	Park with doors: Open Closed
1 (standard) 12 4 4X	Return Landing #: Floor Label:
Air conditioned enclosure	Earthquake Operation:
Forced air ventilation	A17.1-16 compliance (HW scan switch, indicators, etc.)
Enclosure interior lighting	Seismic switch Counterweight derailment device
Type of Operation:	Car operates on fire or hosp. service (reduced speed)
Simplex:	Emergency Power Generator
Selective Collective Single Auto Push Button	E.P. contact during normal op. Open Closed
Down Collective Single Button Collective	Power pre-transfer contact
Group Number of Cars:	Sequential lowering (standard)
Central connection point for communication is usually in the	If not, number of cars to run simultaneously:
controller for Car #1. Specify lengths for communication	Manual select switch: # of Pos: Labels:
cables (Car 1 to Car 2, Car 1 to Car 3, etc.). Allow for an	A17.1-2000+ requires indicator(s) if the elevators cannot be
additional 5 feet at each end to permit hookup inside the	seen from the selection switch location.
controller enclosure.	Emergency Medical Technician Service (EMT):
Number of hall call risers:	Return Landing #: Floor Label:
Cross Registration Panel	Fan & Light Timer Operation (Elevator Cab)
_	Hospital Service (Code Blue): (indicate landings served on page 2)
Swing Car Operation: Car(s):	# of cars allowed to run on hospital service:
Key switch in car Key switch in hall	Hospital Service Phase 2 Operation initiated by:
Automatically switch when IR call is registered	Hospital phase 2 switch Independent service switch
Dedicated riser for swing hall calls	Other (explain):
Fire Service Operation:	Independent Service Switch: Car (std.) Hall
Fire Service Phase I:	Load Weighing: By EC Mfg:
3 position keyswitch 2 position keyswitch	Rope Tension X-head Deflect Isolated platform
Fire Service Phase II (3 position keyswitch)	Dry contact load weigher signals (not for pre-torque):
Main Recall Landing #: Floor Label:	Hall call bypass Anti-nuisance Overload
Doors will open at: Front Rear	Pit Flood Operation Return landing:
Alt. Recall Landing #: Floor Label:	Sabbath Operation
Doors will open at: Front Rear	Security (check applicable requirements below)
Additional Fire Recall Switch:	Call lockout: (indicate landings served on page 2)
Location Landing #: Floor Label:	Car: Card Reader Key Other:
Inspection/Hoistway Access Operations:	Hall Card Reader Key Other:
In-Car Inspection Operation	Call lockout override switch: Car Hall
Hoistway Access Operation	Car call security (enter code using car call buttons)
Top access switch (top landing):	Bypass Security: (bypass on fire service is standard)
Location: Front Rear	Independent Service Attendant Service
Bottom access switch (bottom landing):	Other:
Location: Front Rear	
In-Car Switch Type(s):	Additional features required:
2-position Access Enable Switch	
2-position In-Car Inspection Switch	
3-position Inspection and HW Access switch	
Operation on In-Car Inspection requires an Enable button and	
separate Up & Down buttons inside elevator cab.	



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Hydro Controller Data Forms				
Indicators				
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Job Name:	EC Job Number			

The Pixel control system requires all fixtures to be 24VDC, 3-6 watts maximum.

Car Call Registration Indicators:	Miscellaneous Fixtures (24VDC, 3W max.):
Pixel Standard - CAN communication to COP	Indicator description:
Auxiliary COP(s)	Emergency power light (Hall)
# of car stations per car:	Emergency power panel lights
Hall Call Registration Indicators:	Fire service light (COP & Hall)
Pixel Standard - CAN communication to HALL	Fire control panel (provide fixture prints/details)
Hall Calls through CAN Communication	Heavy load light (Hall)
Hall Calls through discrete I/O	Hospital service light (COP)
Number of hall call risers:	Hospital service buzzer (COP)
If more than 2 hall call risers, please explain	In-use Lights
on page 7 (Hoistway Layout).	Lobby control panel (provide fixture prints/details)
Passing Floor Chime:	Overload light / buzzer (COP)
EC 3-wire C.E. Micro Comm EC 3-wire E-Motive	
Pixel COP (24VDC, 6W max.)	
Passing floor enable button ("S" button)	
Position Indicators:	
EC 3-wire C.E. Micro Comm EC 3-wire E-Motive	
EC DL-20 E.C.C.	
PI CAN network interface	
MAD VEGA E-Motive HM	
ELEVAKE Other:	CAN Serial Hall Call/Lantern RJ45 Connection Options
	NOTE: The standard cable package will be provided if no
Car position indicator	alternate selection is made.
Hall position indicator Location(s): Main Fire All Floors	Standard Cable Backage
Location(s): Main Fire All Floors Other:	Standard Cable Package • Controller-to-first node: Length: 25 ft
Voice annunciation device	• Floor-to-floor: One per floor, Length 14 ft, or
CE Micro Comm, Emotive 3-wire or CAN driven only	• Floor-to-floor: Two per floor, Length 7 ft (if hall lanterns)
Lanterns:	Splitter-to node: One per node, Length 5 ft
Car lanterns: Chime Gong	Splitter-to-node (one per Access Switch): Length 7 ft
EC 3-wire C.E. Micro Comm EC 3-wire Emotive	Fire Switch Node to Hall Call Node (one): Length 6 inches
Pixel COP (24VDC,6W max.)	Splitters (enough for standard node network)
Hall lanterns: Chime Gong	
EC 3-wire C.E. Micro Comm EC 3-wire Emotive	Alternate lengths needed (indicate quantity and lengths)
Pixel Hall System (24VDC,6W max.)	Controller-to-first node: Length:
CAN Communication via P-HALL boards (1 per floor)	Floor-to-floor: Qty: Lengths:
Location(s): All Floors Lobby Only	Splitter-to-hall node: Qty: Lengths:
Other:	Splitter-to-access nodes: Qty: Lengths:
Delivery of Fiveure Made Beards (Dre winter)	Fire Switch Node to Hall Call Node: Length:
Delivery of Fixture Node Boards (Pre-wiring) Ship Fixture Node Boards with Controller	Additional Comments:
Ship Fixture Node Boards in advance to:	Additional Comments:
Company:	
Contact Name:	
Phone #: Ref #:	
Email:	
Address:	
City: State: Zip:	



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De en Information			

Door Information Revised 11/24/2020 | Page 5 of 8 EC Job Number: Pixel Hydro Data Forms.xls Job Name:

New door operator:	Car Gate and Hoistway Doors:
Supplier:	Automatic car gate
Contact:	Manual car gate
P.O.#: Phone:	Gate release solenoid: Voltage: V Phase
Existing door operator	Current: A Description:
_	
Automatic Passenger Door Operators:	
Place an "X" in the appropriate box(es) to indicate door	Electric Door Restrictor
operator (F = Front and R = Rear). Operators shown in	Brand: Model:
italics require interface module mounted on cartop.	
F R	Hoistway Door Type:
GAL MOVFR: 230V 115V	Automatic passenger (horizontal sliding)
GAL MOD (shunt wound): 230V 115V	Automatic freight (vertical sliding)
GAL MODPM: 230V 115V	Swing*
GAL MOM/MOH	Manual*
MAC PM-SSC	*Interlocks:
ECI: 895 1000 2000 VFE2500	Door closed contacts (separate from locked contacts)
	Door locked contacts
Atlantic Tech 9001 9003	Brand: Model:
Dover/TKE: HD73 HD85 DC68	Door locking cam:
Dover/TKE: HDLM PA LULA	Fixed
Fermator VVVF5	Mechanical (driven by automatic car gate)
IPC Encore (closed loop) D2000 D3000	Retiring: Voltage: V DC AC
KONE AMD	Current: A Phase:A
MCE Smartraq	Notes:
Nova BG101	
Otis AT400 Customer-supplied Pwr Supply	Power Freight Doors:
Otis 6970A (Reactance)	Door operator wiring diagrams have been sent to EC*
R&R DC244	Courion: MP LiLearn Other:
Schindler QKS: 14 15	EMS (provide prints) Model:
Other:* *Please send/provide door operator wiring diagrams.	Peelle: PLC Wireless Other:
, , , , , , , , , , , , , , , , , , , ,	Other (provide prints):
Door Features: Infrared detector/dual-beam photo eye unit:	Freight Door Operation:
By EC (Weco-917P-2D) Customer Provided	Door Opening: Automatic Momentary pressure
Cut-out switch located in COP	Constant pressure
Anti-nuisance	Door Closing: Automatic Momentary pressure
Mechanical safety edge	Constant pressure
Heavy doors at landings:	Fire Ph. 1 Closing: Automatic Momentary pressure
Door hold: Switch Button: (time) sec.	Constant pressure
Nudging: Reduced torque with buzzer	Constant process
Buzzer only	Notes:
–	
Notes:	



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Machine Room Data - Hydraulic

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Job Name: EC Job
Number:

<u>Line Voltage:</u> (measured)	Additional Requirements:
AC 3 phase (symmetrical with respect to ground)	Low oil switch
AC single phase	Viscosity control
60 Hz 50 Hz	Pressure switch
	(required when top of cylinder is above top of storage tank)
	_
	Roped hydraulic unit:
Hydraulic Pump Motor Data:	Make: Describe:
Existing New New from EC	Governor with remote set & reset solenoids:
Brand: Model:	Coil Voltage:ACDC FLA:
HP: FLA:	Electrical schematic required for set reset solenoids
Voltage: VAC, 3 Phase, 60Hz	Synchronizing circuit for dual and telescopic pistons
Measured Data sheet	Load Weighing Interface
Multiple pump motors:	Brand/model:
Number of motors: 2 Other:	Dettem menusual laurenina derdes
Number of disconnects: 1 2 Other:	Battery powered lowering device:
Sequential Starting (standard)	By EC Customer-supplied*
Simultaneous Starting Note: Standard - no single motor operation.	*If customer-supplied, model: Passenger doors Power freight doors
Number of starts/hour rating: 80 (standard) 120	Mount inside controller at factory (standard)
realition of starts/riodi rating.	Remote-mounted
	*Due to electrical certification requirements, a battery
	lowering unit that is not installed by the factory
Motor Starting:	shall not be mounted inside the controller cabinet.
By EC	NEMA 1 Enclosure Sizes:
Customer-supplied starter:	Select a Nema 1 enclosure if a specific size is preferred.
Brand: Model:	EC Manufacturing will determine if the required
*Due to electrical certification requirements, a	components will fit within the enclosure selected, and will
motor starter that is not installed by the factory	advise if not possible. If no selection is made, EC will
shall not be mounted inside the controller cabinet.	select the smallest enclosure size available.
Solid State Sprecher+Schuh (standard)	30"H x 36"W x 8"D (wall mount & lift off door)
Siemens (addit <u>ion</u> al charges apply)	38"H x 36"W x 12"D (wall mount & lift off door)
3/9 lead motor 6/12 lead motor	48"H x 36"W x 14"D (wall mount & lift off door)
WYE-Delta	
ATL (across the line)	Hinged door option
Other*:	Legs for floor-mounting a wall-mount enclosure
*Wiring diagrams are required.	12" (single) 24" (double)
	Additional Information:
Valve Data:	Additional information.
Brand: Maxton EECO Blain	
TKE/Dover Bucher GMV	
Other:	
Model:	
Number of valves: 1 (standard) 2 3	4
Coils per valve: 1 2 3 4 (sta	andard)
Valve voltage: 120VAC (standard) Other	r: AC
Note: If voltage is not specified, 120VAC will be provided:	



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Hoistway Layout				
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Job Name:			EC Job Number:	

Using the grid layout below, identify each elevator by a number/name as appropriate for the building configuration. Place a 'X" through unused hoistways. Indicate location of the hall call pushbuttons, door openings and walls, as shown in the example below.

xample drawing of a		oup. Wall				F =	r ope Fron	t op	penir	ıg							
R Elevator 1 F	Н Св	2	/ator 2 =			Not	Rea es:										
Elevator X	H	Elev	e vator 31			Н I	Hall c ncon Code	all spi	riser cuou	s ris ospi	er (tal s	swi erv	rice)	rise	r		
Elevator																	
Elevator																	
cial instructions:																	



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Pixel	Hydro Controller Data Forms
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Monitoring Data

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Job Name: EC Job
Number:

Machine Room Monitor (20" LCD is standard)	Special Instructions:										
Other:	·										
The central connection point for the Machine Room PC is											
located at the PC. Specify lengths for communication											
cables (Car 1 to PC, Car 2 to PC, Car 3 to PC, etc.).											
Allow for an additional 5 feet to permit hookup inside the											
controller enclosure.											
Remote Monitoring Station(s):											
Interact Liftnet (IDS)											
Single Group Multi-group											
Desktop PC Quantity:											
Laptop PC Quantity:											
Monitor Type:											
LCD flat screen (standard)											
Other: Distance from controller to remote PC*: ft.											
*If distance is longer than 400ft. repeaters are required.	Interference to 2nd Ponty Manitoning Cyclene										
Remote workstation location(s):	Interfaces to 3rd Party Monitoring Systems										
Lobby Security room	Kings III										
Fire control room Concierge desk	Schindler Lobby Vision (dry contact interface)										
Other:	Mitsubishi MelEye (dry contact interface)										
Communication media:	Other (describe):										
Ethernet											
Line driver: By EC Others											
Printer(s) required Quantity:											
Using the grid layout below to sketch the remote moni	toring system required.										
Group 1 Group 2	Simplex										
Remote PC #1	Remote PC #2										
Remote PC #1	Remote PC #2										
Remote PC #1	Remote PC #2										
Remote PC #1	Remote PC #2										
Remote PC #1	Remote PC #2										
Remote PC #1	Remote PC #2										