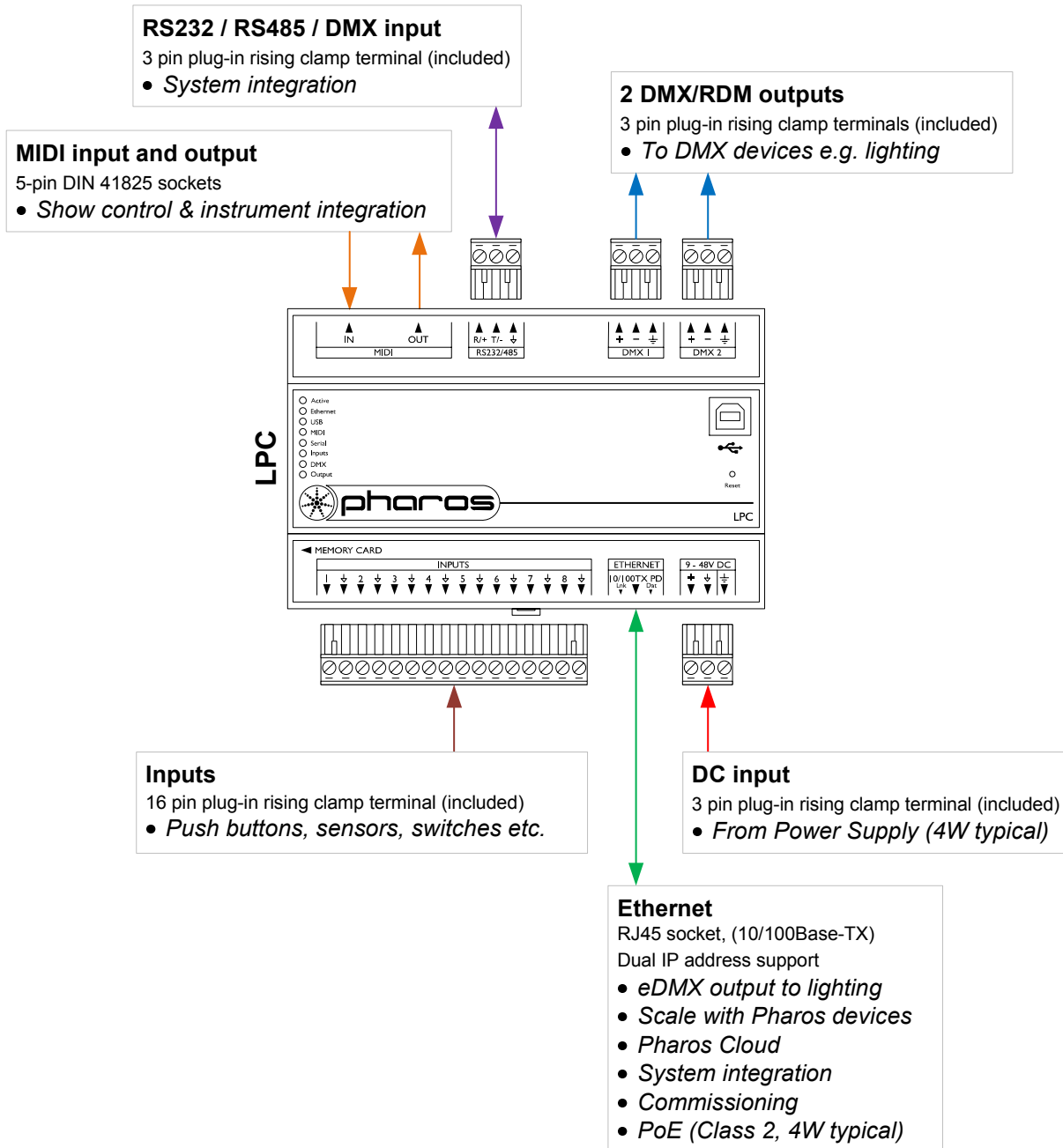


Type:	LPC 1	LPC 2	LPC 4
DMX 1	≤ 512 channels	≤ 512 channels	≤ 512 channels
DMX 2	Clone to DMX1 *	≤ 512 channels	≤ 512 channels
eDMX	≤ 512 channels	≤ 1,024 channels	≤ 2,048 channels
Total	≤ 512 channels	≤ 1,024 channels	≤ 2,048 channels

* TPC channels can be output via an LPC1's DMX 2 port
Pharos supports free patch, multiple protocols and universes simultaneous. Only the channels count.



note: Power via PoE or DC power

- Consult the **Installation Guide** for technical details
- See **General Notes.pdf** for information on cabling types
- Contact your supplier, visit our website or mail support with any other questions



pharoscontrols.com

Reference: 0001	Name: LPC interfaces		
Size: A4	Date: 27/09/2016	Rev: V 1.0	Notes: Setup
Page: 1 of 1	17/09/2018	V 1.1	Minor adjustments
	21/01/2019	V 1.2	Minor adjustments

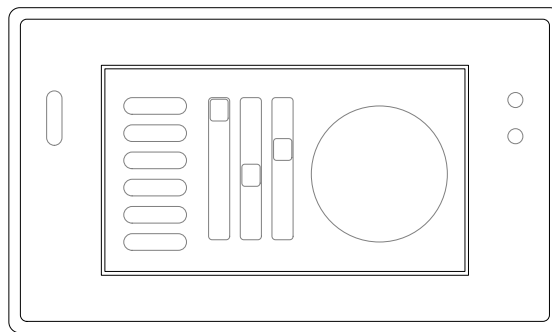
IR sensor

- Remote control integration

Temperature sensor

- Display temperature
- System integration

TPC



Touch interface

- User input
- Textual & Visual feedback

Proximity & light sensor

- Screen control

Ethernet

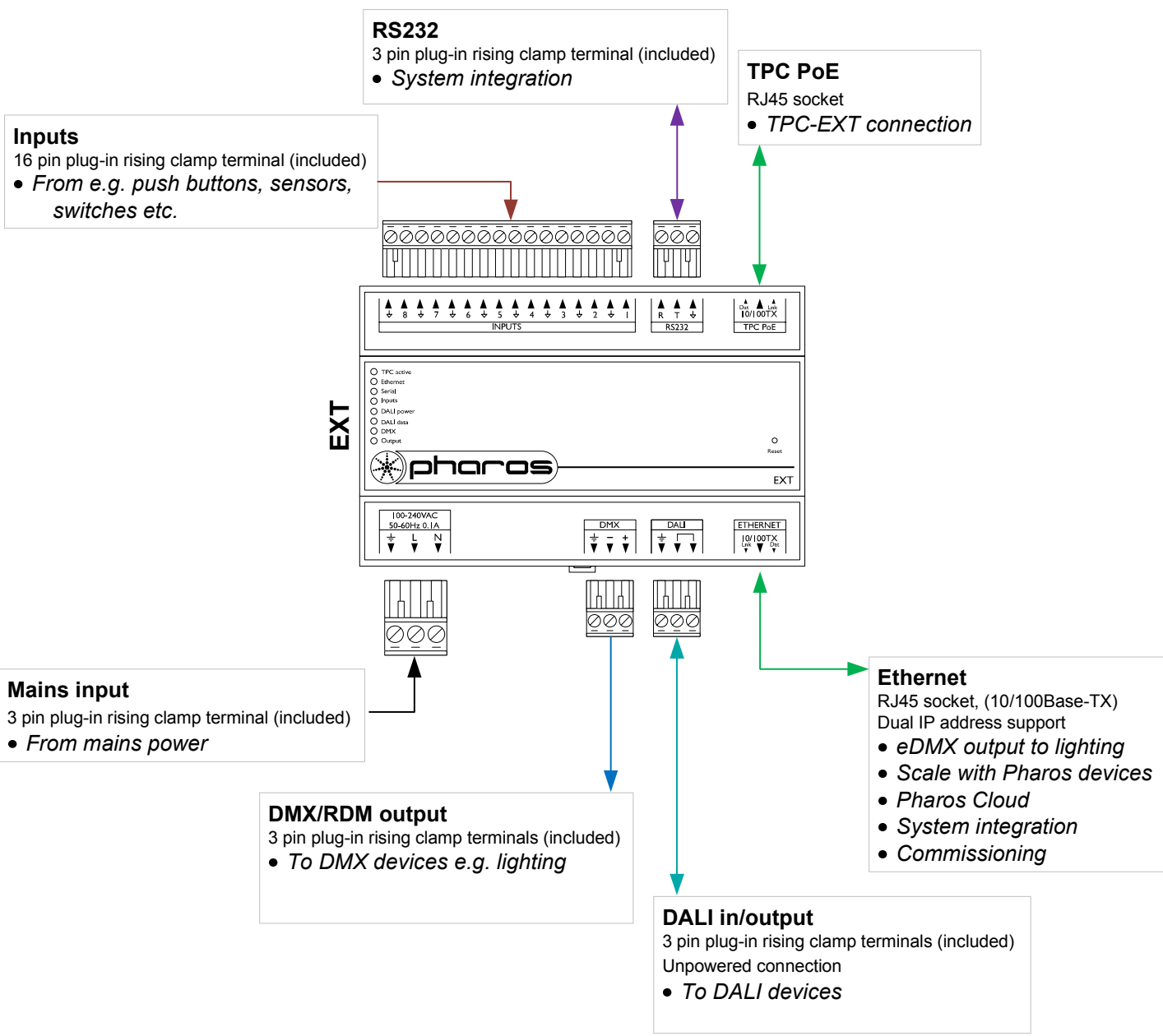
- RJ45 socket, (10/100Base-TX)
- Dual IP address support
- eDMX output to lighting
- Scale with Pharos devices
- Pharos Cloud
- System integration
- Commissioning
- Management
- PoE (Class 2, 4W typical)

- Consult the **Installation Guide** for technical details
- See **General Notes.pdf** for information on cabling types
- Contact your supplier, visit our website or mail support with any other questions




pharoscontrols.com

Reference: 0002	Name: TPC interfaces		
Size: A4	Date: 27/09/2016	Rev: V 1.0	Notes: Setup
Page: 1 of 1	17/09/2018	V 1.1	Minor adjustments
	21/01/2019	V 1.2	Minor adjustments



note: Requires Pharos TPC to operate

- Consult the **Installation Guide** for technical details
- See **General Notes.pdf** for information on cabling types
- Contact your supplier, visit our website or mail support with any other questions

 pharoscontrols.com	Reference: 0003	Name: EXT interfaces		
	Size: A4	Date: 27/09/2016	Rev: V 1.0	Notes: Setup
	Page: 1 of 1	17/09/2018	V 1.1	Minor adjustments
		21/01/2019	V 1.2	Minor adjustments

Type:	LPC X (X=10,20,30...100)
eDMX	≤ X *512 channels
Total	≤ X *512 channels

Ethernet / Management

RJ45 socket, (10/100/1000 Base-TX)

- System integration
- Pharos Cloud
- Scale with Pharos devices
- Commissioning

RS232

DB9 connector

- System integration

Audio output

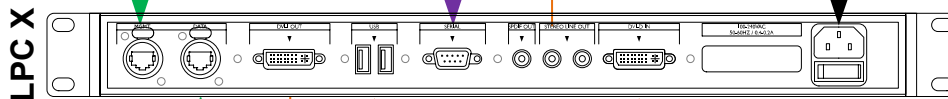
Left + Right cinch connector
SPDIF cinch connector

- To audio system

Mains input

IEC connector. UK, EU and US cable included

- From mains power installation
- 100-240V AC 50-60Hz 0.4-0.2A
- 40W typical, 100W maximum



Ethernet / Data

RJ45 socket (10/100/1000 Base-TX)

- eDMX output to lighting

USB

For service use only

DVI-D Input (Optional upon order)

DVI-I connector, only DVI-D supported

- For live video input
- Specify 'DVI-D in' during ordering

DVI-I Output

DVI-I connector

- To DVI-I compatible fixtures
- To preview monitor

- Consult the **Installation Guide** for technical details
- See **General Notes.pdf** for information on cabling types
- Contact your supplier, visit our website or mail support with any other questions



pharoscontrols.com

Reference:
0004

Size:
A4

Page:
1 of 1

Name:
LPC X interfaces

Date:	Rev:	Notes:
27/09/2016	V 1.0	Setup
17/09/2018	V 1.1	Minor adjustments
21/01/2019	V 1.2	Minor adjustments

Type:	VLC __ (__=50,100,250,500,1000,1500)
eDMX	≤ __*512 channels
Total	≤ __*512 channels

Ethernet / Management

RJ45 socket, (10/100/1000 Base-TX)

- System integration
- Pharos Cloud
- Scale with Pharos devices
- Commissioning

RS232

DB9 connector

- System integration

Audio output

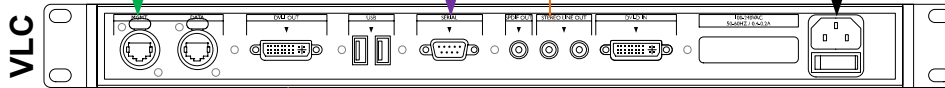
Left + Right cinch connector
SPDIF cinch connector

- To audio system

Mains input

IEC connector. UK, EU and US cable included

- From mains power installation
- 100-240V AC 50-60Hz 0.4-0.2A
- 40W typical, 100W maximum



Ethernet / Data

RJ45 socket (10/100/1000 Base-TX)

- eDMX output to lighting

USB

For service use only

DVI-D Input

DVI-I connector, only DVI-D supported

- For live video input

DVI-I Output

(future development)

- Consult the **Installation Guide** for technical details
- See **General Notes.pdf** for information on cabling types
- Contact your supplier, visit our website or mail support with any other questions



pharoscontrols.com

Reference: 0005	Name: VLC interfaces		
Size: A4	Date: 27/09/2016	Rev: V 1.0	Notes: Setup
Page: 1 of 1	17/09/2018	V 1.1	Minor adjustments
	21/01/2019	V 1.2	Minor adjustments

Type:	VLC __ (__ =50,100,250,500,1000,1500)
eDMX	≤ __ *512 channels
Total	≤ __ *512 channels

Ethernet / Management
 RJ45 socket, (10/100/1000 Base-TX)

- System integration
- Pharos Cloud
- Scale with Pharos devices
- Commissioning

Audio output
 Left + Right cinch connector
 SPDIF cinch connector

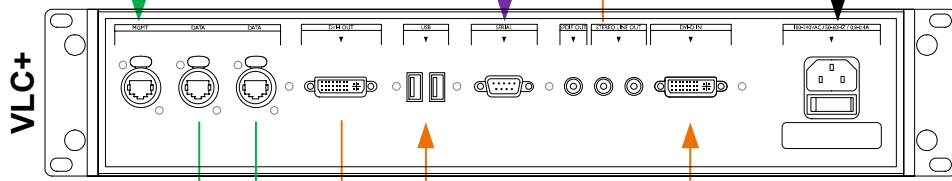
- To audio system

Mains input
 IEC connector. UK, EU and US cable included

- From mains power installation
- 100-240V AC 50-60Hz 0.8-0.4A
- 80W typical, 200W maximum

RS232
 DB9 connector

- System integration



Ethernet / Data
 1xRJ45 socket (10/100/1000 Base-TX)
 1xRJ45 socket (future development)

- eDMX output to lighting

USB
 For service use only


DVI-D Input
 DVI-I connector, only DVI-D supported

- For live video input

DVI-I Output
 DVI-I connector

- To DVI-I compatible fixtures
- To preview monitor

- Consult the **Installation Guide** for technical details
- See **General Notes.pdf** for information on cabling types
- Contact your supplier, visit our website or mail support with any other questions

 pharoscontrols.com	Reference: 0006	Name: VLC+ interfaces		
	Size: A4	Date: 27/09/2016	Rev: V 1.0	Notes: Setup
	Page: 1 of 1	17/09/2018	V 1.1	Minor adjustments
		21/01/2019	V 1.2	Minor adjustments

Type:	Inputs	Outputs	Serial Port
RIO 80	8	0	Yes
RIO 44	4	4	Yes
RIO 08	0	8	Yes

4 Inputs

8 pin plug-in rising clamp terminal (included)
Free configurable between 0-24V

- From e.g. push buttons, sensors, switches etc.
- Contact closure, digital, analogue

4 Outputs

8 pin plug-in rising clamp terminal (included)
Solid state relays, max 48V 250mA

- To e.g. relays, sensors, indicator lights etc.

4 Outputs

8 pin plug-in rising clamp terminal (included)
Solid state relays, max 48V 250mA

- To e.g. relays, sensors, indicator lights etc.

RS232 / RS485 / DMX output

3 pin plug-in rising clamp terminal (included)

- System integration
- DMX output <96 channels

RS232 / RS485 / DMX output

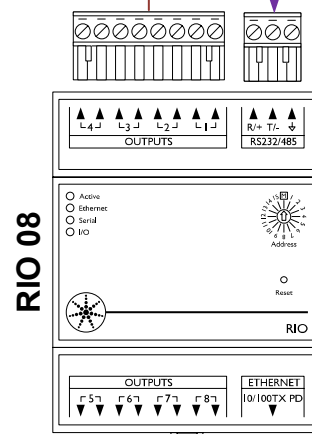
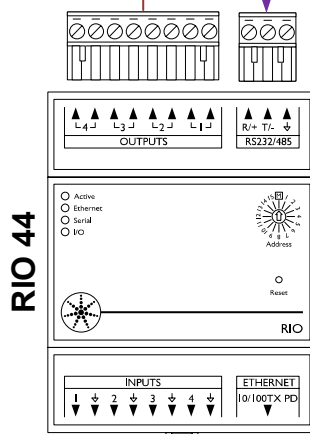
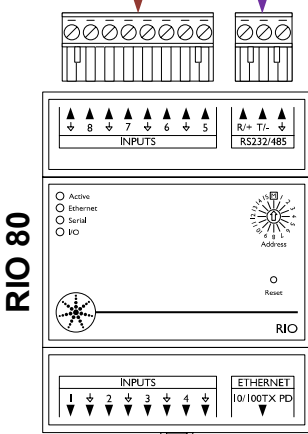
3 pin plug-in rising clamp terminal (included)

- System integration
- DMX output <96 channels

RS232 / RS485 / DMX output

3 pin plug-in rising clamp terminal (included)

- System integration
- DMX output <96 channels



Thumb wheel
• Addressing

Ethernet

- RJ45 socket
- Link to Pharos controller
 - PoE power
 - Commissioning

Ethernet

- RJ45 socket
- Link to Pharos controller
 - PoE power
 - Commissioning

Ethernet

- RJ45 socket
- Link to Pharos controller
 - PoE power
 - Commissioning

4 Inputs

8 pin plug-in rising clamp terminal (included)
Free configurable between 0-24V

- From e.g. push buttons, sensors, switches etc.
- Contact closure, digital, analogue

4 Inputs

8 pin plug-in rising clamp terminal (included)
Free configurable between 0-24V

- From e.g. push buttons, sensors, switches etc.
- Contact closure, digital, analogue

4 Outputs

8 pin plug-in rising clamp terminal (included)
Solid state relays, max 48V 250mA

- To e.g. relays, sensors, indicator lights etc.

note: Requires Pharos controller to operate

- Consult the **Installation Guide** for technical details
- See **General Notes.pdf** for information on cabling types
- Contact your supplier, visit our website or mail support with any other questions



pharoscontrols.com

Reference:
0011

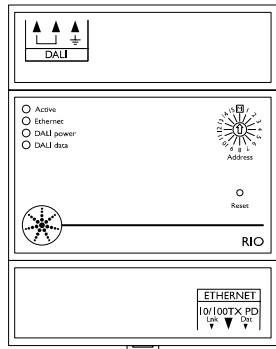
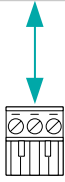
Size:
A4

Page:
1 of 1

Name:
RIO interfaces

Date:	Rev:	Notes:
27/09/2016	V 1.0	Setup
17/09/2018	V 1.1	Minor adjustments
21/01/2019	V 1.2	Minor adjustments

DALI in/output
 3 pin plug-in rising clamp terminal (included)
 Unpowered connection
 • To DALI devices




Thumb wheel
 • Addressing

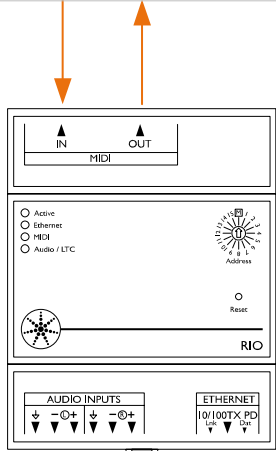
Ethernet
 RJ45 socket
 • Link to Pharos controller
 • PoE power
 • Commissioning

note: Requires Pharos LPC, LPC X or TPC to operate

- Consult the **Installation Guide** for technical details
- See **General Notes.pdf** for information on cabling types
- Contact your supplier, visit our website or mail support with any other questions

 pharoscontrols.com	Reference: 0012	Name: RIO D interfaces		
	Size: A4	Date: 27/09/2016	Rev: V 1.0	Notes: Setup
	Page: 1 of 1	17/09/2018	V 1.1	Minor adjustments
		21/01/2019	V 1.2	Minor adjustments

MIDI input and output
 5-pin DIN 41825 sockets
 • Show control & instrument integration




Thumb wheel
 • Addressing

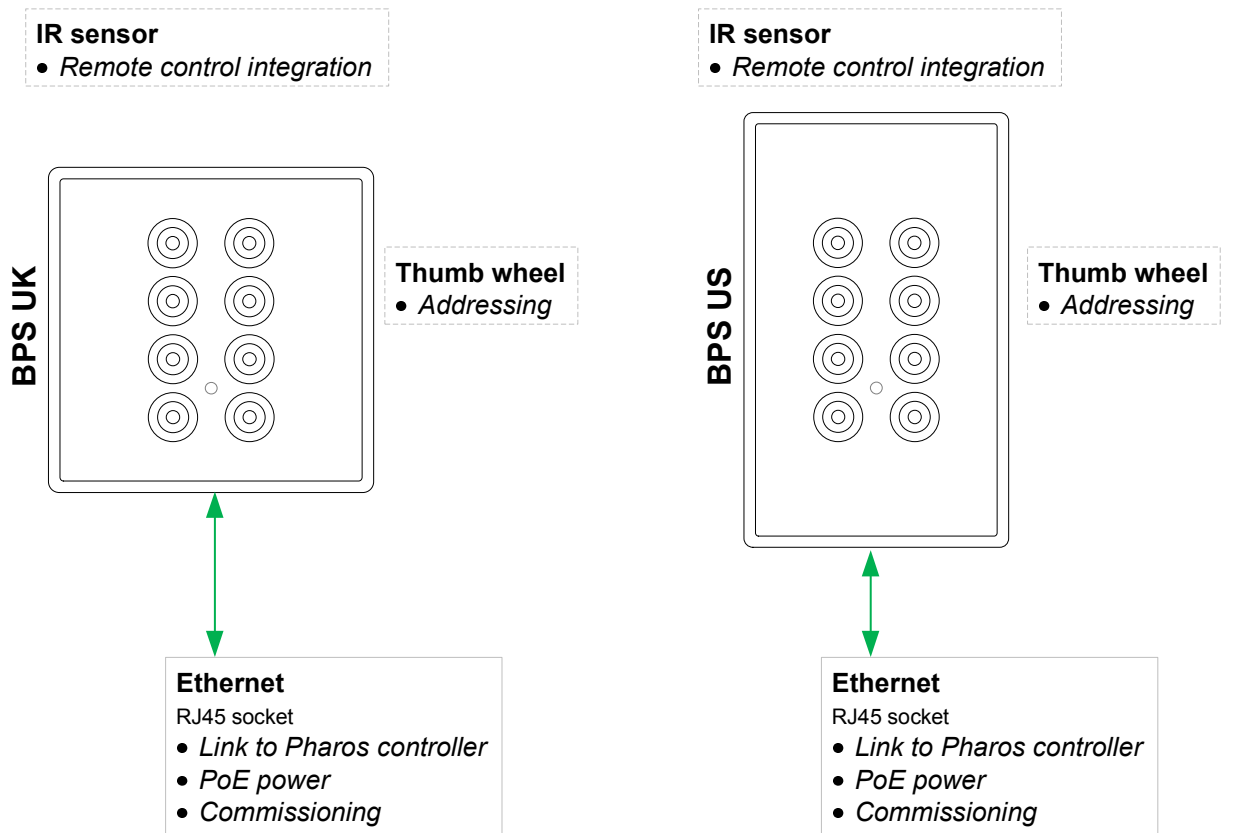
Audio / LTC input
 6 pin plug-in rising clamp terminal (included)
 Left and Right Balanced audio @0dBV
 • From audio source
 • From timecode source

Ethernet
 RJ45 socket
 • Link to Pharos controller
 • PoE power
 • Commissioning

note: Requires Pharos controller to operate


- Consult the **Installation Guide** for technical details
- See **General Notes.pdf** for information on cabling types
- Contact your supplier, visit our website or mail support with any other questions

 pharoscontrols.com	Reference: 0013	Name: RIO A interfaces		
	Size: A4	Date: 27/09/2016	Rev: V 1.0	Notes: Setup
	Page: 1 of 1	17/09/2018	V 1.1	Minor adjustments
		21/01/2019	V 1.2	Minor adjustments



note: Requires Pharos controller to operate

- Consult the **Installation Guide** for technical details
- See **General Notes.pdf** for information on cabling types
- Contact your supplier, visit our website or mail support with any other questions

 pharoscontrols.com	Reference: 0014	Name: BPS Interfaces		
	Size: A4	Date: 27/09/2016	Rev: V 1.0	Notes: Setup
	Page: 1 of 1	17/09/2018	V 1.1	Minor adjustments
		21/01/2019	V 1.2	Minor adjustments

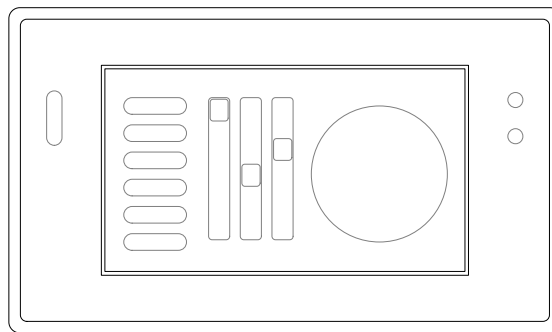
IR sensor

- Remote control integration

Temperature sensor

- Display temperature
- System integration

TPS



Touch interface

- User input
- Textual & Visual feedback

Proximity & light sensor

- Screen control

Ethernet

RJ45 socket

- Link to Pharos controller
- PoE power
- Commissioning

- Consult the **Installation Guide** for technical details
- See **General Notes.pdf** for information on cabling types
- Contact your supplier, visit our website or mail support with any other questions



pharoscontrols.com

Reference:
0015

Name:
TPS interfaces

Size:
A4

Date:	Rev:	Notes:
27/09/2016	V 1.0	Setup
17/09/2018	V 1.1	Minor adjustments
21/01/2019	V 1.2	Minor adjustments

Page:
1 of 1