

EXPLORE THE POSSIBLE

10 - Existing Intellihub Meter Fleet

Whole Current Metering Induction



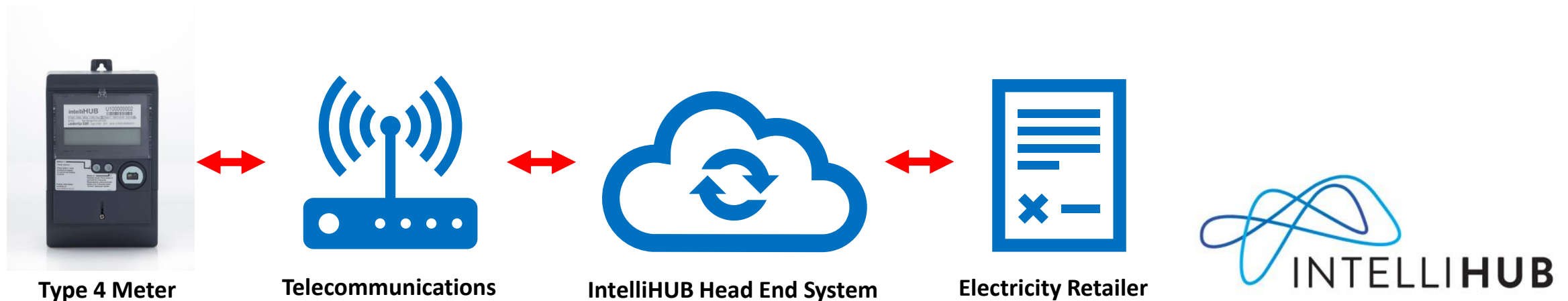
Existing Intellihub Meter Fleet

Intellihub Meters

What is an Advanced Meter Type 4

What is a Type 4 meter / Digital meter:

- A meter that records power use in 30 minute intervals, has a digital display and has a remote communications device which allows for remote meter reads in a telecommunication network area.
- A type 4 meter is a two-way digital communication system that automatically sends a customer's usage data to the required parties through its remote communications function. This automated communication ends the need for manual meter reads and gives customers greater control over their electricity usage and billing arrangements, and a choice of services.
- A type 4A meter (MRAM) is a meter that is capable of providing the services in the minimum services specification but has its communications deactivated and therefore cannot be remotely read and/or managed, i.e. no communications modem and aerial



Existing Intellihub Meter Fleet

Intellihub Meters

Landis & Gyr – Single Phase Meters

- **U1310** – Meter number begins with:
 - **U1**
 - **LG01**



Single Element Meter (i.e. General supply only)

- **U1325** – Meter number begins with:
 - **U2**
 - **LG02**



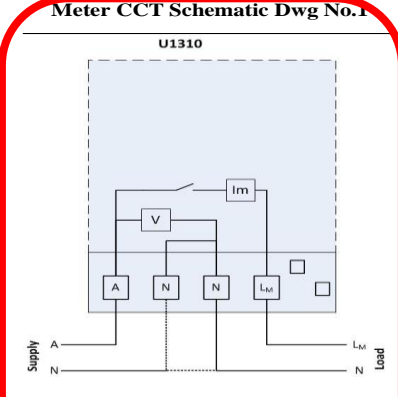
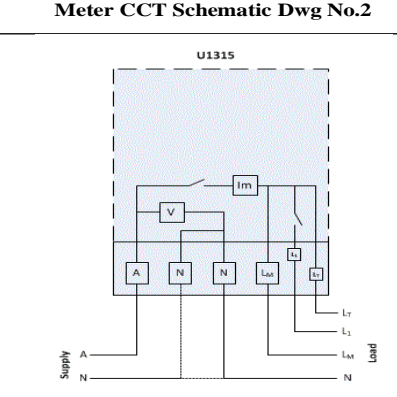
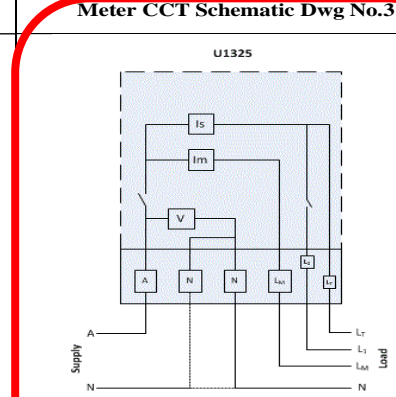
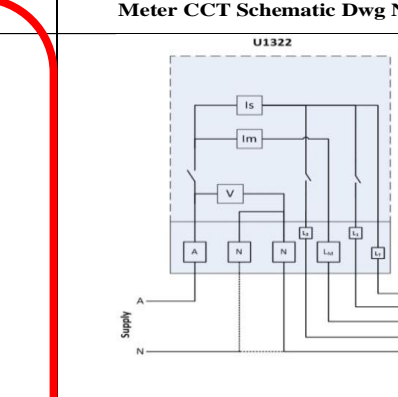
Two Element Meter (i.e. General supply and Off Peak Controlled Load)

Note: Some Intellihub meters are branded as 'Acumen'

Existing Intellihub Meter Fleet

Intellihub Meters

Landis & Gyr – Single Phase Meter Diagrams

Meter CCT Schematic Dwg No.1	Meter CCT Schematic Dwg No.2	Meter CCT Schematic Dwg No.3	Meter CCT Schematic Dwg No.4
 <p>U1310</p>	 <p>U1315</p>	 <p>U1325</p>	 <p>U1322</p>
<p>U1310 1Ph.1E WC meter - no LC terminal</p> <p>Terminal Description</p> <ul style="list-style-type: none"> A Line Active (100A Max) N Line Neutral N Load Neutral n Load Active (100A Max) 	<p>U1315 1Ph 1E WC meter with 1x LC & LT terminal</p> <p>Terminal Description</p> <ul style="list-style-type: none"> A Line Active (100A Max) N Line Neutral N Load Neutral Lm Element 1 Load Active (100A Max) Lt Element 2 Control Load Continuous Active (60A Max) L1 Element 2 Switched Control Load Active (40A Max) 	<p>U1325 1Ph 2E WC meter with 1x LC & LT terminal</p> <p>Terminal Description</p> <ul style="list-style-type: none"> A Line Active (100A Max) N Line Neutral N Load Neutral Lm Element 1 Main Load Active 100A Max Ls Element 2 Load Lt Element 2 Control Load Continuous (40A Max) L1 Element 2 Switched Control Load Active(40A Max) 	<p>U1322 1Ph 2E WC meter with 2x LC & LT terminal</p> <p>Terminal Description</p> <ul style="list-style-type: none"> A Line Active (100A Max) N Line Neutral N Load Neutral Lm Element 1 Load Active (100A Max) Ls Element 2 Load (70A Max) Lt Element 2 Control Load Continuous Active (60A.Max) L1 Element 2 Switched Control Load Active (31.5A) L2 Element 2 Switched Control Load Active (31.5A)

U1310 – Single Element

Most Commonly Used

U1325 – Two Element

'WI 1080 WC and CT Wiring Diagrams' must be reviewed for all wiring configuration



Existing Intellihub Meter Fleet

Intellihub Meters

Landis & Gyr – Poly Phase Meters (i.e. 2 & 3 phase)

- **U3400** – Meter number begins with:
 - U3
 - LG03
- **U3401** – Meter number begins with:
 - U4
 - LG06



Three Element Meter (i.e. General supply only)



Three Element Meter and OP Controlled Load connected to C-Phase (i.e. General supply for 3 phase only or 2-Phase and OP)

Note: The U3401 is not a 4 Element meter (i.e. it cannot do 3ph + 1ph LC/OP)

Existing Intellihub Meter Fleet

Intellihub Meters

Landis & Gyr – Poly Phase Meters (i.e. 2 & 3 phase) Diagrams

Meter CCT Schematic Dwg No.6		Meter CCT Schematic Dwg No.5	
Terminal Description U 3400 3Ph 1E WC meter - no LC I Phase Max 100 A		Terminal Description U 3401 3Ph 1E WC meter with Load Control. I Phase Max 100 A, Load Control relay Max 31.5A	
A	Line Active	C	Line Active
A	Load Active	C	Load Active
B	Line Active	N	Line Neutral
B	Load Active	N	Load Neutral
			L1
			N
		Note the U3401 meter can be programmed for use in either Single or Polyphase applications. (The program loaded determines the application)	

Both Commonly Used

'WI 1080 WC and CT Wiring Diagrams' must be reviewed for all wiring configuration



Existing Intellihub Meter Fleet

Intellihub Meters

EDMI – Meters (i.e. 1 & 3 phase)

- EDM1 MK7C
- ED07



*Single Element Meter
(i.e. General supply only)*

- EDM1 MK7A
- EDA7



*Two Element Meter
(i.e. General supply
and Off Peak
Controlled Load)*

- EDM1 MK10D
- ED04



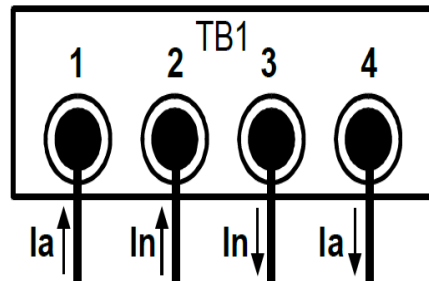
*Three Element Meter
(i.e. General supply
only)*

Existing Intellihub Meter Fleet

Intellihub Meters

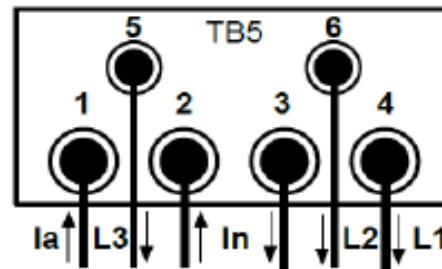
EDMI – Meters (i.e. 1 & 3 phase)

- EDM1 MK7C
- ED07



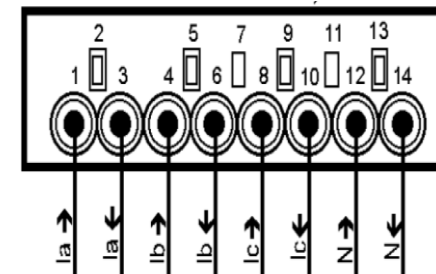
*Single Element Meter
(i.e. General supply only)*

- EDM1 MK7A
- EDA7



*Two Element Meter
(i.e. General supply
and Off Peak
Controlled Load)*

- EDM1 MK10D
- ED04



*Three Element Meter
(i.e. General supply
only)*

'WI 1080 WC and CT Wiring Diagrams' must be reviewed for all wiring configuration

Existing Intellihub Meter Fleet

Meter Cable Sizing and Terminal Torque Specifications

Hardware	
Terminal cable size	4 - 35mm ² Lt, L1, L2 max cable size 16mm ² L, N, L _m max cable size 35mm ²
Screw Torque	Steel terminals nominal 2.5 Nm Brass terminals nominal 2.5 Nm LC terminals 2.0 Nm

L&G U1310/U1325 Cable Sizing and Terminal Torque Specifications

Hardware	
Terminal cable size	4 - 35mm ² Brass Terminal max cable size 16mm ² Steel Terminal max cable size 35mm ²
Screw Torque	Steel terminals nominal 2.5 Nm Brass terminals nominal 2.5 Nm

L&G U3400/U3401 Cable Sizing and Terminal Torque Specifications

Terminal Type	Terminal Size (mm)	Screw Size	Recommended Driving Bit	Recommended Torque (Nm)	Recommended Cable Size (mm ²)	Maximum Cable Size (mm ²)
Main	9.00	M8	Standard Blade 6mm	1.8	25	35
Load	5.30	M5	Standard Blade 4mm	1.5	10	10

EDMI Mk7C/Mk7A Cable Sizing and Terminal Torque Specifications

Terminal Type	Terminal Size (mm)	Screw Size	Recommended Driving Bit	Recommended Torque (Nm)	Recommended Cable Size (mm ²)	Maximum Cable Size (mm ²)
Voltage	3.30	M3	Standard Blade 4mm	0.9	2.5	2.5
Current	9.50	M6	Standard Blade 6mm	1.8	25	35

EDMI Mk10D Cable Sizing and Terminal Torque Specifications


Note: For information regarding the meter registers please refer to the Equipment Overview document via ShareFile.



Existing Intellihub Meter Fleet

PR 1195 – Returned Metering Assets Procedure

- **Removal and Return of Intellihub assets**
- When removing Intellihub meters or communication modems (i.e. due to fault or upgrade), the technician must ensure the following:
 - Contact tech support and request final reads. Advise if the meter is faulty or being upgraded;
 - Ensure the installed communication module remains within the removed meter;
 - Complete 'FM 1181 Removed Device Sticker' and apply across the meter and comms cover;
 - Retighten all meter terminals to prevent loss of terminal screws during transport;
 - Ensure the meter is clean (complete a wipe down);
 - Ensure the meters are stored and transported in a way that prevents any damage to the meter.
- Removed Intellihub assets must be returned to Intellihub at the below address within 10 business days:
 - Deliver to: **Unit D1, Level 1, 15-21 Doody Street, Alexandria, NSW, 2015**

 intelliHUB Ph: 1800 263 837	NMI		
	Property Number		
	Removed Date		
	Removed By		
Faulty?		Yes <input type="checkbox"/>	No <input type="checkbox"/>
Fault Details			
FM1181 - Removed Device Sticker			

FM 1181 Removed Device Sticker

Place an 'X' if the removed meter/communications module is **faulty**

Place an 'X' if the removed meter/communications module is **functional**

