

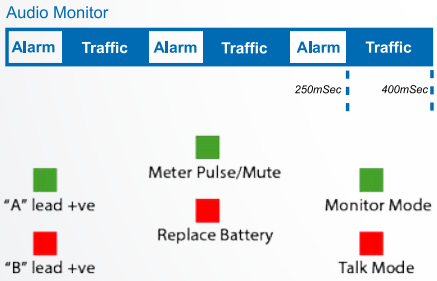
A340 • D350 • D361
NAUTILUS
TEST TELEPHONES

TESTING | TROUBLESHOOTING | ACCURACY

Product Features:

In today's evolving world of communications, technicians encounter an ever increasing amount of data on copper lines. Whether installing, servicing or simply maintaining voice service, the technician must consider the possible presence of digital traffic. Tempo's D350 & D361 Test Sets offer the latest in data protection, allowing technicians to test the POTS service on a live DSL or xDSL line without fear of bringing down the data service.

With this innovative design, Tempo continues on the cutting edge of butt-in test set technology, setting new, unmatched standards in both quality and customer satisfaction. Our test sets give new meaning to the term "weatherproof" with an award-winning, waterproof case design that allows technicians to operate with confidence in even the most extreme weather conditions. Other key advancements include a high-voltage alarm and a quick release, non-metallic belt clip composed of glass filled nylon, a strong, lightweight structural composite. This combination of rugged technology enables Tempo to offer the best warranty in the industry: 3 years.





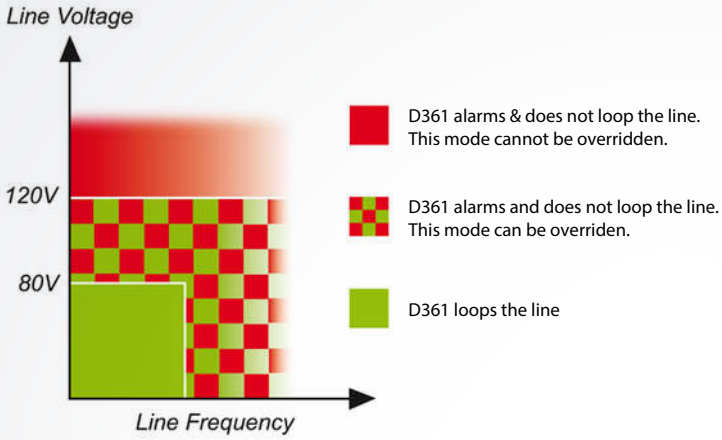
PART NUMBER	DESCRIPTION
52059242	A340 ETSI 90ms
52059117	A340 ETSI 270ms
52059246	A340 ETSI 90ms LCC
52059241	D350 ETSI 90ms
52040076	D361 ETSI 90ms
52059247	D361 ETSI 90ms LCC
52059521	D361 ETSI 270ms

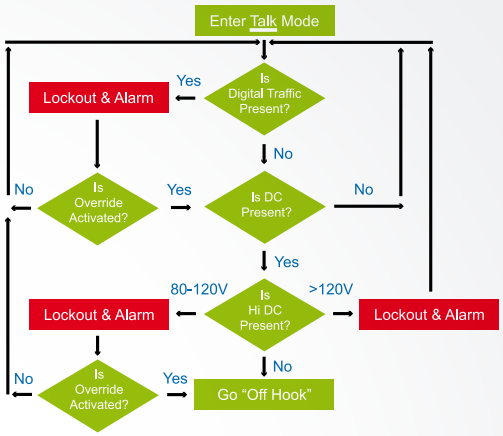


DigAlert DIAGRAMS

D361 and D350 DigAlert™ MODELS

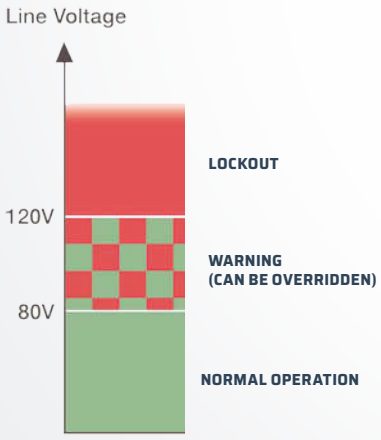
Novel circuit design takes account of the diverse conditions found on modern distribution line plant.





Alert 340 Protection

Novel circuit design takes account of the diverse conditions found on modern distribution line plant.



A Summary of Protective Measures

Protective Measure	DATA SAFE	HIGH VOLTAGE LOCKOUT™	DSP™	DIGALERT™
Input circuitry protected against accidental connection to high voltages		✓	✓	✓
Butt Set is prevented from going off hook (locked out) in the presence of high voltages		✓	✓	✓
Digital traffic is protected when the Butt Set is on-hook	✓		✓	✓
Butt Set is prevented from going off hook (locked out) in the presence of data				✓
			A340	D350 & D361

COMPLEMENTARY PRODUCTS



500XP
Identify signals buried in the worst of noise



Amp 109K
Electrostatic and Electromagnetic detection for:
- Wire identification
- Cable tracing
- Cable verification



Tone Generator 600
Pure Sine wave
1kHz
High output power
Transformer/Capacitor coupled output

A340 & COMMON PRODUCT FEATURES:

- DSL Filters
- Digital circuit safety
- Voltage alarm and Lock-out
- Super Hi Impedance monitor
- High monitor level
- Digital Safe Line Monitor
- Adjustable Ringer volume and tones
- IP67 Weatherproofing
- Loudspeaker listening
- Speaker Volume Control
- Talk/Monitor status LED
- Battery low audible tone
- Selectable ringer tones
- High impact resistance
- Replaceable premium cordset
- Super Hi Impedance polarity
- Line Polarity Test in any Mode
- Tone/pulse dialing
- 10 x 32 digit Speed Dial Memory
- Last Number Redial
- High chemical resistance
- Easy shoulder placement
- Unique 'Quick Release' Belt Clip
- Microphone Mute
- Easy-to-use Talk and Monitor Keys
- Audible and Visual Mode Indicators

D350 ADDS:

- Detection and Lockout of Data Services:
  T-1, E1, ISDN (BRI and PRI), SW56, xADSL, HDSL

D361 ADDS:

- Two-way Speakerphone (hands-free speech)

SPECIFICATIONS:

Loop Limit:	5 kΩ ohm
Minimum Loop Current:	10 mA
Maximum Off-hook DC Resistance:	300 Ω ohm
Minimum DC Resistance in Idle, Monitor and Lockout:	10 M ohm at 300 Vdc
Minimum AC Impedance in Monitor:	400 k ohm at 1 kHz
Span Power Lockout Range:	120 Vdc minimum 450 Vdc maximum
Pulse Rate:	10 pps +/- 0.1 pps
Break/Make:	60/40% +/- 1%
Interdigit Interval:	800 +/- 50 ms
Tone Level:	-6 dBm nominal
Tone Frequency Error:	+/- 1% maximum
Tone Twist:	2 dB +/- 1 dB
Flash Duration:	100 ms nominal (270 ms option)
Stored Number Capacity:	10 plus last number redial

Stored Number Length:	32 digits per stored number
PBX Pause:	4 seconds
9Vdc Alkaline Battery Life:	3 months nominal 30 hrs of continuous loudspeaking
Low Battery:	Visual and audible indication
Auto Shut-off:	5 minutes with no line DC 20 minutes with line DC
Operating Temperature:	-29°F to 140° F (-34°C to 60°C)
Storage Temperature:	-58°F to 167°F (-50°C to 75°C)
Water Resistance:	IP67 per IEC 60529 (submersion in one metre of water for 30 minutes)
Physical Shock:	20 foot drop test onto concrete Bellcore TR-TSY-000344
Physical:	• Length: 9.75in (248mm) • Width: 2.75in (70mm) • Height: 3.375in (86mm) • Weight: 1.32lbs with battery
Warranty:	Three Years

Nautilus range

The Nautilus design concept is all about reducing whole life costs and waste by having a longer life span, requiring virtually no maintenance or repair.
Made from high strength polymer alloys, Nautilus products are tested to extremely high standards of robustness and performance to allow for the rigors of everyday use in extreme conditions.
Based on the qualities of the nautilus shell, the products combine patented technology designed to breathe and safeguard functional elements from water, dust, impact and temperature changes. The Nautilus range has been independently tested to ensure that the units operate in the harshest environments around the world - from Saharan sun to Alaskan winters.
Humidity's are expected to range from desert through wet English winter to steaming jungle.
The products have been subjected to a variety of tests including free fall from up to 6m (20 ft), being submerged in water for 30 minutes and placed in extremes of temperature varying from -10 Deg C to +55 Deg C for 72 hours.
They are also tested for more common vibration, shock, bump and impact expected in normal transport and use.

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