SERVICES OFFERED

Communication sites

1. Our goal is to optimize your sites.

2. We analyse filtration systems, the wiring, the condition of antennas, protection against lightning, grounding, performances of radio devices, etc.

3. After thorough analysis, we then proceed with the complete adjustment of all filtration systems of the site. We remove or add the insulation to achieve optimal performances while respecting criterias of INDUSTRIE CANADA.

4. If, after having modified the systems, license revisions were necessary with INDUSTRIE CANADA, we would produce all demands and get the requisite authorizations.

5. We also establish a method to help you do your own preventive verification of the condition of your repeaters, emitters, receptors of the filtration system and we create an upkeep journal to insure easy sampling of your systems performances.

6. In addition to that, we can offer a training session for your technicians on filtration and their regulating methods, antennas, grounding and all the pertinent information based on our vast experience in this field.

7. In order as not too disrupt your clientele while analysing your sites with your personnel, we offer you day, night and weekend rates.

Analysis of radio coverage

- We offer to confirm for you the radiance performances of your communication systems.

- We then proceed to the actual signal readings on the territory to cover with accurate instruments and well calibrated antennas that will not alter the measures.

- We analyze the convenient propagation for the choice of your future sites

1035, rue Pierre-Caisse
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: www.productionelectronique.com

Research and development

- With a vast experience in electronic circuit conception, interfacing, modules of various kinds, we are in a position to answer your needs to create for you, digital, analogical or passive elaborate and functional electronic circuits.

- We are proud to have to our credit some conceptions that are high up amongst prestigious North-American communication networks.

- All our conceptions are based on simplicity, stability, efficiency and durability.

Training

We offer theoretical and convenient training on filtration and antenna systems. The given training is based on an applicable experience. Theoretical and practical training sessions are combined with the help of your own instruments.

- Methods for calculation of cavities systems, combiners systems and multicouplers.

- Methods for the verification of your antennas.

- Methods to analyse SWR specifications of band pass and of vertical and horizontal radiation patterns.

- Isolators effects.

- This training is based on a relevant experience.

- And more ….

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Diviseur de puissance / Power Divider

DV2

DVC2

Specifications

Especially for in plants systems	**Conçu spécialement pour un partage de signal dans les édifices**
Available with your parameters	**Pouvant être conçu selon vos paramètres**
Taxes and freight charges not included	**Les taxes et les frais de transport ne sont pas inclus**
May be ordered by fax or by E-mail	**Peut être commandé par télécopieur ou par courrier électronique**

Options

DV34 - 800	**800-900 MHz**	**75 % - 25 %**
DV34 - 400	**400-512 MHz**	**75 % - 25 %**
DV2 - 800	**800-900 MHz**	**90 % - 10 %**
DV2 - 400	**400-512 MHz**	**90 % - 10 %**

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Directional Coupler

The Directional Coupler is an indispensable tool for any radiocommunication technician. It is used for the adjustment of the filters such as cavities, duplexers, preselectors etc. It must be used with a generator synchronized scanning 'Tracking Generator'.

It is very useful when you want to check the resonance frequency of an antenna, mobile antenna length setting. Very sturdy construction, it is a reliable and accurate tool.

Specifications :

Connector :	N-Female
Dimensions :	5,5 x 7,5 cm 3 x 2,25 inches
Directivity :	20 db
Operating Frequency :	5 – 1000 MHz
Insertion Loss (average) :	1 db
Maximum power :	1 watt
VSWR	1.1:1

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Our brackets, PE1001 & PE1002

These multi–purpose brackets are designed to hold two parallel pipes of 1.70 to 4 inches in diameter. They can also attach a pipe to a tower's leg or to a wall.

The brackets are heavy duty and all stainless steel, eliminating the risk of rust often seen after a few years on galvanized steel. By eliminating corrosion, the risk of intermodulation caused by magnetic field detection is greatly reduced

PE1001

PE1002

Specifications :		**Specifications :**	
Adjustment angle	-----	Adjustment angle	-15 to +15 degrees
Pipe diameter	1.6 to 11.5 cm 0.5 to 4 inches	Pipe diameter	1.6 to 11.5 cm 0.5 to 4 inches
Spacing between the two pipes (2 inches)	11.5 cm 4.5 inches	Spacing between the two pipes (2 inches)	11.5 to 19cm 4.5 to 7.5 inches
Total weight	2.7 kg 6 pounds	Total weight	2.9 kg 6.5 pounds
Bolts, nuts & washers	Stainless Steel 4 x 0.5 inches	Bolts, nuts & washers	Stainless Steel 4 x 0.5 inches

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PEFLT-20A
Electrical interference filter

The PEFLT-20A is a high-performance passive filter. It can be used at voltages up to 25 volts with an intensity of more than 20 amps.

Totally waterproof, the very robust physical design makes it suitable for installation in the worst conditions. The black painted aluminum case contains the electronic components encapsulated in high density epoxy. The solid brass terminals ensure the best electrical connections and allow connecting multiple conductors for distribution to more than one electronic device.

It is also available with high standard interconnection cables approved for installation in buses.

Electrical Specifications

Voltage:	0-25 volts
Continuous current:	20 amperes
Capacitance:	9400 uF
Inductance:	200 uH or 110 uH
Coil resistance:	0,0108 ohm
Maximum temperature:	85 degrees Celsius

Mechanical Specifications

Overall dimensions:	76,58 x 82,80 x 48,77 mm
Weight:	0,365 kg
Space holes:	66 x 66 mm (2,6 X 2,6 po.)

Warranty

Replacement:	1 year

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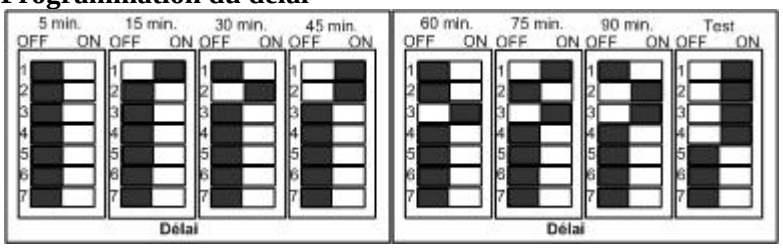
MINUTERIE AJUSTABLE POUR TERMINAUX VÉHICULAIRES

Modèle : PE-MINUT20A-2

Spécifications générales

- 6V to 32Vdc
- Courant non actif : 7 ma
- Courant avec le relais activé : 180 ma
- 8,5cm x 7,7 cm x 4,7 cm
- Espace entre les trous de fixation : 6,5 cm X 6,5 cm - diam. 0,4 cm
- Courant total maximal : 30 amp.
- Voltage d'ignition : 6 – 32 volts
- Température d'utilisation : - 40 C° à + 85 C°
- Stabilité de la minuterie : ± 2%
- Boîtier aluminium peint noir
- Délai programmable par (Dip Switch) 5, 15, 30, 45, 60, 75, 90 minutes
- Haute tension de coupure 17 volts (programmable lors de la commande)
- Protection électronique contre l'inversion de polarité

Programmation du délai



Fonctions de l'afficheur DEL :

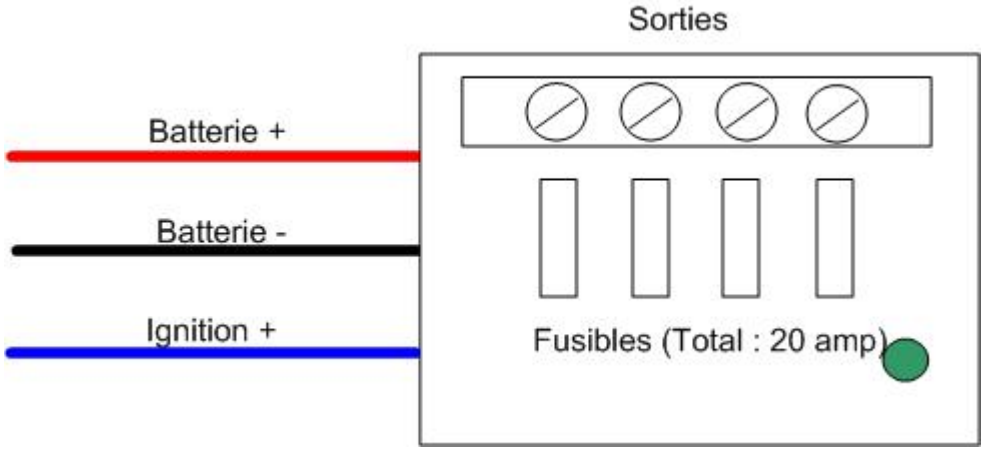
Vert
Éclairage vert lorsque le système est alimenté (fil rouge) et que l'ignition (fil bleu) est activée. Le relais est enclenché et les sorties sont alimentées.

Rouge clignotant
Le système est alimenté, l'ignition (fil bleu) est désactivée, le délai est activé. Les sorties sont activées pour la durée du délai programmé.

Orange fixe
Le système a détecté une tension de plus de 17 volts avec l'ignition activée. La sortie est désactivée.

Orange clignotant
Le système a détecté une tension de plus de 17 volts avec l'ignition désactivée mais le délai est déjà activé.

Branchement électrique



Garantie La minuterie est garantie pour une période de 1 année sans usage abusif (20 amp.max) et sans altération.

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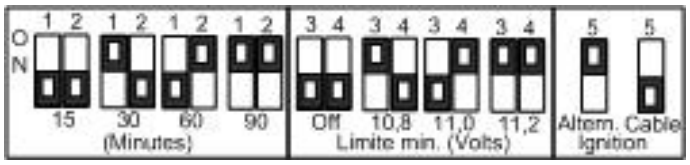
ADJUSTABLE UNIVERSAL TIMER FOR RADIOS AND VEHICULAR TERMINALS

Model: PE-MINUT30A-U

Specifications

- 6V to 32Vdc
- Non-active current: 7 ma
- Current with relay activated: 180 ma
- 8,5cm x 7,7 cm x 4,7 cm
- Space between the fixing holes: 6.5 cm X 6.5 cm – dia. 0.4 cm
- Maximum total current: 30 amps.
- Ignition voltage: 6-32 Volt
- Operating temperature:-40 C° to + 85 C °
- Timer stability: ± 2%
- Black painted aluminum housing
- Programmable Time delay (Dip Switch) 15, 30, 60, 90 minutes
- Start of time delay by detection of the running engine or/and (selectable) connection
- High voltage cut-off 17 v
- Low-voltage cut-off by (Dip Switch) - 10.8-11.0-11.2 volts (selectable)
- Electronic protection against polarity reversal
- 4 outputs protected by mini fuse (not included) ATO

Programming the period, the minimum voltage and the triggering



Functions of the led display:

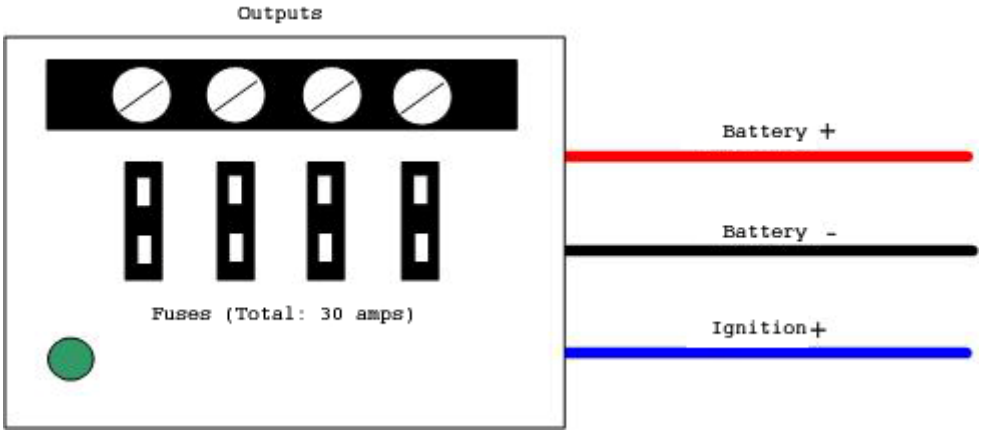
Green
The green light is on when the system is powered (red wire) and the ignition (blue wire) is turned on or the engine is running. The relay is switched on and the outputs are powered.

Flashing red
The system is powered, ignition (blue wire) is disabled, or the engine is off, the time delay is enabled. The outputs are activated for the duration of the programmed delay.

Solid orange
The system has detected a voltage of more than 17 volts with the ignition activated. The output is switched off.

Flashing orange
The system has detected a voltage of more than 17 volts with the ignition off but the time delay is already enabled.

Electrical connection



Warranty: The timer is guaranteed for a period of 1 year without misuse (30 amp.max) and without alteration.

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